Mathematics

Primary Three

Second term



h) ..... x .....   = 3 x 9   + 3 x 2

5) Complete :

a) 7 x 4 x 2 = (7 x 2) x 4 = 7 x (4 x 2)

b) 1 x 5 x 9 = (.... x ....) x ....

c) .... x ...... x ...... = (3 x 4) x ...... = 7 x (..... x ......)

d) 5 x 4 x 6 = 20 x ...... = 30 x .... = 24 x ....

e) 7 x 12 = 7 x 2 x .... = 7 x ...... x 12

f) 8 x ...... = 24 x ......

g) 2 x 4 = 2 + ...



6) Find :

a) 3 x 5 = ...   5 x 8 = ...   7 x 7 = ...   2 x 12 = ...

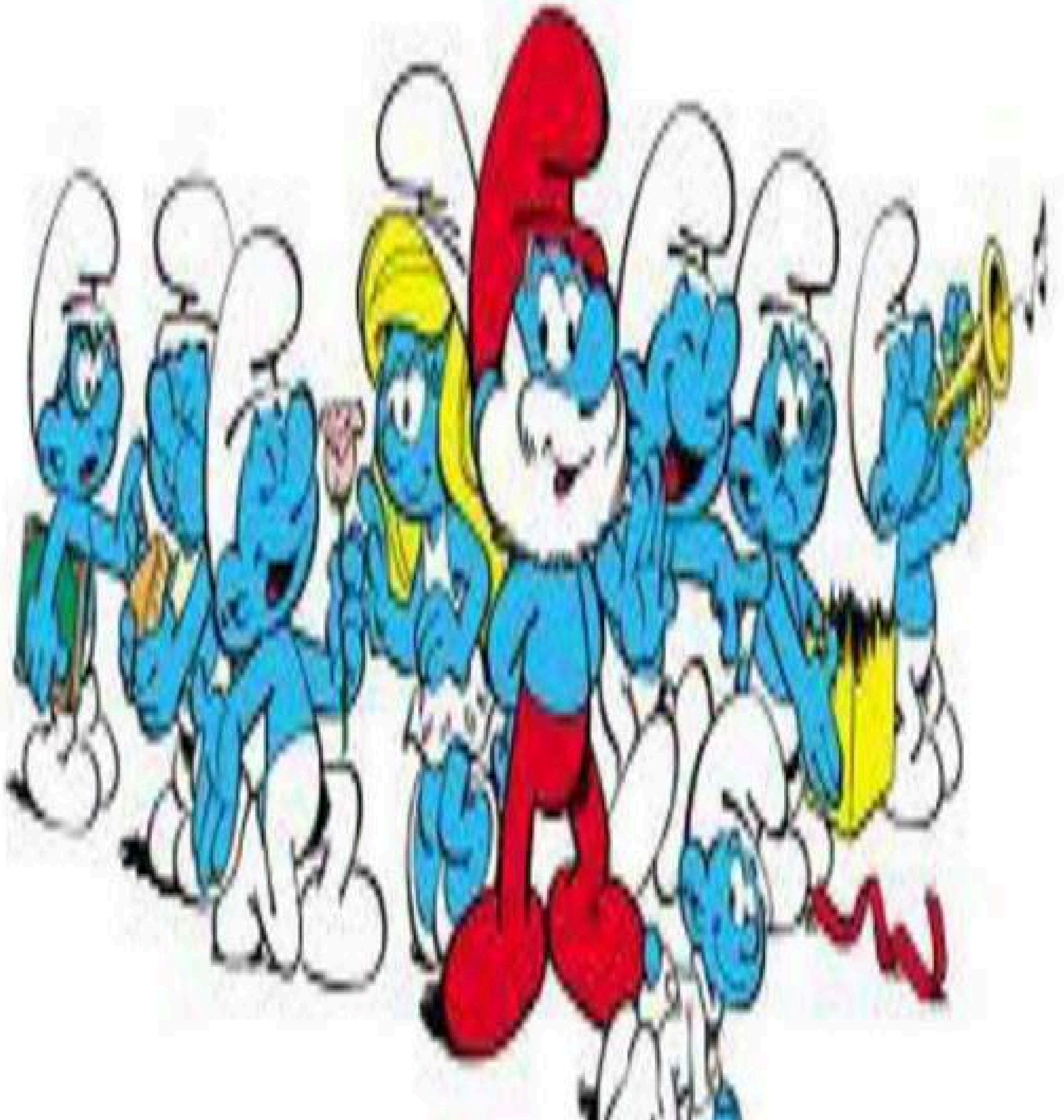
b) 4 x 9 = ...   8 x 8 = ...   10 x 0 = ...   11 x 9 = ...

c) ... x 6 = 6   4 x ...... = 16   .... x ..... = 35   ...... x 6 = 60

d) .... x .... = 25   .... x ..... = 8   7 x .... = 49   .... x 8 = 72

Unit One

Multiplication





Revision

1) Find :

12 x 0 = ... 5 x 1 = ... 7 x 4 = ... 6 x 8 = ...

3 x 4 = ... 9 x 9 = ... 6 x 6 = ... 8 x 7 = ...

2) Complete :

a) (5 x 3) = (.... X 5) = 5 + ... + ... = ...

b) (3 x 7) = (3 x 1) + (3 x .....) = ...

c) 6 x 2 x 4 = (.... x 4) x 6 = (2 x6) x ....

d) 4 x 2 x 5= .... x 5 = ...

e) 8 x 12 = (8 x 5) + (8 x 7)= ...... + ... = ...

f) 7 x 9 = (7 x 10) - (7 x 1) = ... - ...... = ...

g) 4 x 3 x 3 = 12 x .... = ...

h) 2 x 8 x 3 = ... x 3

i) 8 x 9 = (8 x 7) + (8 x ....) = ...

l) 9 x 10 = (9 x 5) + 9 x ....

3) Complete :

a) 6 x 4 = 6 + …… + …… + ……. = ………..

b) 8+ 8 = …….. x 2 = ………..

c) 5 x 3 = ……. + …….. + …..… = ………..

d) 4 x 6 = 6 x ………

e) 8 x …. = 5 x 8

f) 2 x 9 = 9 x …… = …… + …… = ………..

4) Complete :

a) (5 x 3) = (5 x 2) + …………..

b) 6 x 4 = 6 x 3 + 6 x ………..

c) 7 x 2 = …… x …… + ………..

d) 9 x 8 = 9 x …… + ………..

e) 4 x 7 = 4 x 5 + 4 x ……….

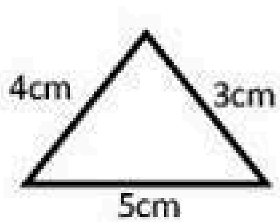
f) 8 x 4 = 8 x 2 + 8 x ………

g) 5 x ….. = 5 x 3 + 5 x 4

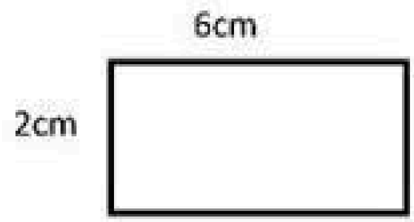


4)Find the perimeter of each of the following:

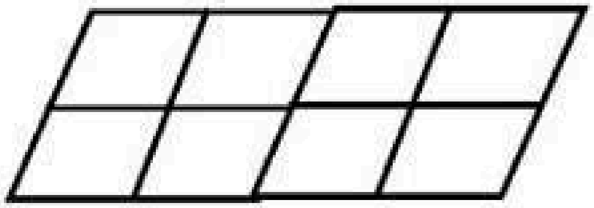
e)

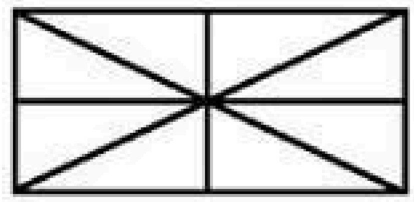


Per = ……………. cm



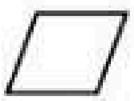
Per = ……………. cm

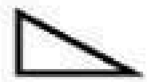




f) Per = ……………. cm

Per = ……………. cm

Area= …………… 

Area= …………… 

3) Find the missing number :

f) $\frac{1}{2}$ $\frac{4}{\dots}$

g) $\frac{2}{6} = \frac{\dots}{18}$

h) $\frac{4}{7} = \frac{\dots}{21}$



7) Complete :

a) 3 x 4 = 3 + …… + …… + …….

b) 6 x …… = 6 + 6 + 6

c) 8 x 5 = 5 x ……

d) 7 x …… x 3 = 21 x 1

e) 3 x 5 x 4 = 15 x …….

f) 8 x 5 = 8 x 2 + 8 x ……



g) 7x 10 = 7 x11 - ………..

h) 5 x 12 = (5 x 5) + 5 x …….

= 25 + ………… = 60

i) 3 x 15 = 3 x 10 + 3 x …..

= .... + ... = 45

8) Find the product then arrange in an ascending order:

a . (3 x 6) , (8 x 5) , (9 x 7) , (5 x 4)

The order : ....

b. (7 x 4) , (8 x 8) , (5 x 0) , (6 x 6)

The order : ....

9) Complete :

a) 4 x .... = 4 + 4 + 4

b) 6 x 4 = 6 + ...

c) 7 x 3 = 3 x ....

d) 2 x 6 x 5 = ... x 6

e) 5 x 3 x 2 = 5 x ....



f) 4 x .... x 7 = 16 x 7

g) ...... x ...... x 8 = 3 x 8

h) 12 x 7 = 3 x ..... x 7

THE SMURFS

Multiplying x10

10 x 3 = 30

= 3 tens

= 10 + 10 + 10

= ten + ten + ten

= 2 tens + 1 ten

= (10 x 2) + (10 x 1)

= 20 + 10

Remarks



Work sheet [1]

1) Complete :

a) 10 x 5 = ……...+ ……...+ ……..+ ……...+ …….. =…………

b) 10 x 6 = …… tens

c) 10 tens = ……. x ……..



d) 7 x 10 = …… x 7

e) 8 x 10 = 6 x 10 + …… x 10

f) 5 x 10 = Three tens + ……. tens = ………….. Tens

2) Choose the correct answer :

a) 10 x 9 = 3 tens + ... tens. [9 , 3 , 6]

b) Four tens = ... [4 , 40 , 14]

c) Ten tens = ... [(10 + 10) , (10 x 1) , (10 x 10)]

d) 8 x 10 = 8 x 5 + 8 x .... [1 , 3 , 5]

e) 12 tens = ... [120 , 12 , 1210]

3) Complete :

a) 8 x 10 = 10 x ....

b) 34 x 10 = ...

c) .... X 10 = 160

d) 10 x 2 x 4 = 10 x ..... = ...

e) ... x .... = 10 x 25

f) 5 tens x 10 = ...

g) ...., ... , 60 , 70 , ... , ...

h) .... x 10 = 10 + 80

i) (7 x 10) + (10 x 3) = ...

j) (6 x 4) x 10 = ...

k) (9 x 10) + 9 = ...

l) 44 x .... = 440



4) Solve the following :

a) Omar bought 23 pencils for 10 piastres each .

How many piastres did he pay?

He paid = ... piastres

b) Sara bought 5 books and 10 notebooks. If the price of each book is 10 pounds and the price of each notebook is 3 pounds .

Find the total price.

The price of books = ...x............................ pounds

The price of notebooks = ...x.......................... pounds

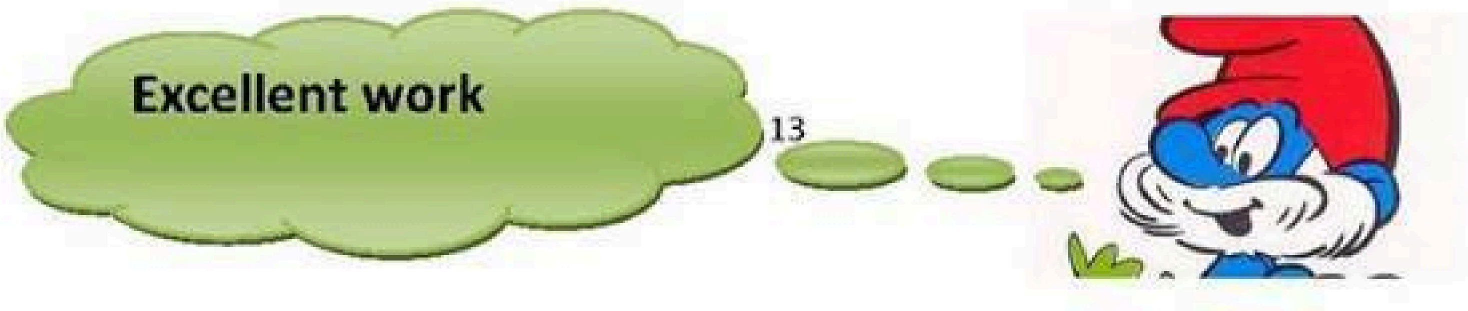
The total price = ...+............................ pounds

c) There are ten colored pencils in each box. Find how many colored pencils in 25 boxes .

Number of colored pencils = ... pencils

d) If the length of a pencil is 14 cm. Find the length of 10 similar pencils

The length = ...cm



THE SMURFS

Multiplying x100

100 x 3 = 300

= 3 hundreds



= 100 + 100 + 100

= hundred + hundred + hundred

= 2 hundreds + 1 hundred

= (100 x 2) + (100 x 1)

= 200 + 100



Work sheet [2]

1) Complete :

a) 100 x 5 = ……..+ …….. + …….. + …….. + …….. = ………….

b) 100 x 6 = …… H

c) 10 H = ……. x ……..

d) 7 x 100 = …… x 7

e) 8 x 100 = 6 x 100 + …… x 100

f) 5 x 100 = three H + ……. H = ………….. H

g) 784 x 100 = …………

h) 100 + 100 + 100 + 100 = ……… x 100.



i) 600 x 10 = ……….. tens.

2) Choose the correct answer :

a) 100 x 9 = 3 hundreds + ……… hundreds [9 , 3 , 6]

b) Four hundreds = ………. [4 , 400 , 40]

c) Ten hundreds = ……… [(10 + 100) , (10 x1) , (10x 100)]

d) Ninety tens =………. [90 , 900, 910]

e) 12 hundreds = ………. [120 , 12 , 1200]

f) 10 x 700 = 100 x ……… [7 , 70 , 700]

3) Complete

a) 7 x 100 = 100 x ……….

b) 34 x 100 = ………..

c) …. X 100 = 1600

d) 100x 2 x 4 = 100 x ….. = ……

e) … x …. = 100 x 25

f) 5 tens x 10 = ………..hundreds.

g) 100 , 200 , …… , …….. , …….. , 600

h) 40 x 70 = 100 x ………

i) 6 x 4 x 100 = ……… x 100 = ……….

j) 8 hundreds = …….. x 10

k) 4 x 9 x 25 = ………. x ……….. = ………….

l) 300 x 5 = ………….



Remember 1 metre = 100cm

4) a) 6 m = 6 x 100 = ...cm

b) 8 m = ...cm

c) ....m = 900 cm.

d) ....m = 200 cm.

e) 5m + 2 m = ... m = ... cm



Remember

One pound = 100 piasters

5)

a) L.E.7 = 7 x 100 = P.T. 700

b) L.E.4 = ... = P.T ....

c) L.E. ...... = ... = P.T 300

d) L.E. ...... = ... = P.T 800



one year =12 months

6) Fatma saved 100 pounds each month , how many pounds did she save In a) 5 months ? ....

b) 10 months ? ....

c) one year ? ....

THE SMURFS

Multiplying x1000

1000 x 3 = 3000



= 3 thousands

= 1000 + 1000 + 1000

= thousand + thousand + thousand

= 2 thousands + 1 thousand

= (1000 x 2) + (1000 x 1)

= 2000 + 1000



Work sheet [3]

1) Complete :

a) 1000 x 5 = …....+ …….+ ……..+ …....+ …..…=…………

b) 1000 x 6 = ……TH



c) 10 thousands = ……. X ……..

d) 7 x 1000 = …… x 7

e) 8 x 1000 = 6 x 1000 + …… x 1000

f) 5 x 1000 = three TH + ……. T H = ………….T H

2) Choose the correct answer :

a) 1000 x 9 = 3 thousands + ... thousands [9 , 3 , 6]

b) Four thousands = ... [40 , 4 000 , 400]

c) Ten thousands = ... [100 , 1 000 , 10 000]

d) Ninety hundreds =.......... [90 , 9 000 , 900]

e) 120 hundreds = ... [120 , 1 200 , 12 000]

f) 7 x ...... x 1000 = 42 000 [5 , 6 , 7]

g) Five thousands = 2 x 1000 + ... x 1000 [3 , 5 , 4]

h) 650 x 1000 = ... [65 000 , 650 000 , 6 500]

i) 8 000 tens = ... [8 000 , 80 000 , 800 000]

3) Complete :

a) 4 x 1000 = 1000 x ....

b) 37 x 1000 = ...

c) .... X 1000 = 16000

d) 10 00x 2 x 3 = 1000 x ..... = ...

e) ... x .... = 1000 x 25

f) 5 H x 10 = ...thousands.

g) 10000 , 9000 , ... , ... , 6000

h) 3000 + 3000 = ...

i) 3 x1000 + 7 x 1000 = ... thousands .



Remember

One kilogram = 1000 gm.

4) a) 3 kg = ...gm.

b) 6 kg = ...gm.

c)............... kg = 9000 gm.

d)............... kg = 28000 gm.

e) 45 kg = ...gm.



5) The salary of a man is 1000 pounds in one month then :

a) His salary in 2 months = ... pounds.

b) His salary in 6 months = ... pounds.

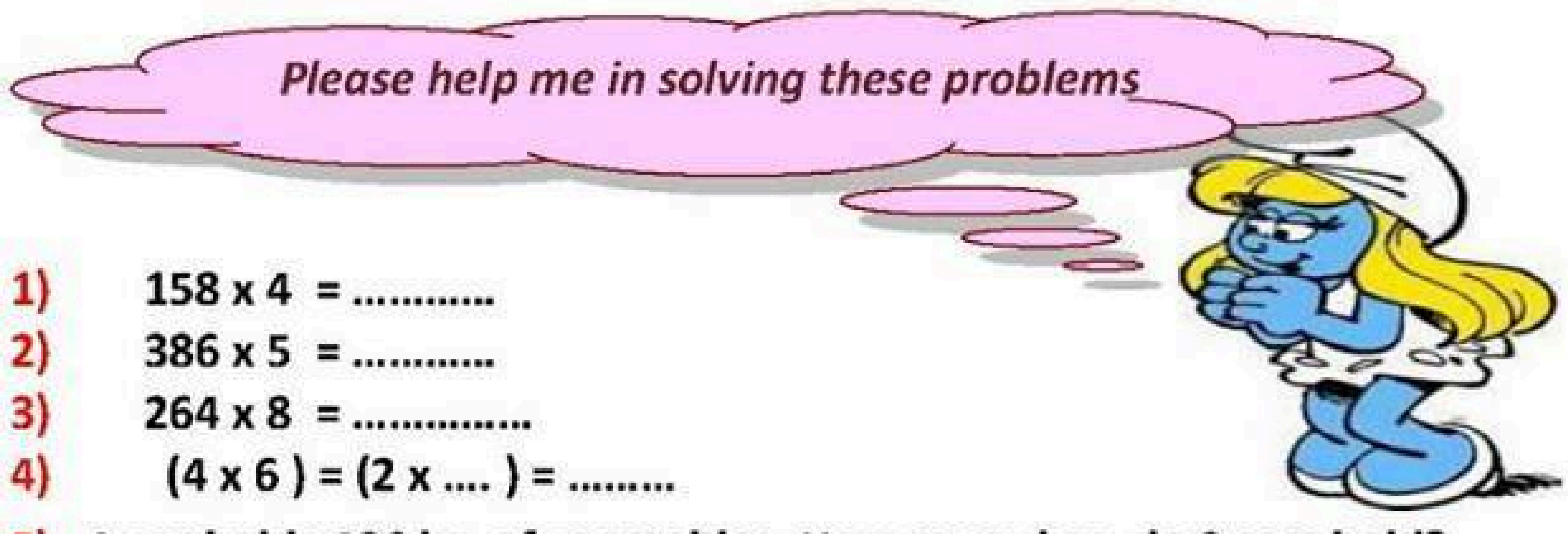
c) His salary in 20 months = ... pounds.

d) His salary in 12 months = ... pounds.

6) If the price of one computer is L.E 1000. Find the total price of 24 computers.
The total price = ... L.E

7) If the price of one carpet is L.E 1000. Find the total price of
8) 36 carpets.The total price = ... L.E

Work sheet [4]

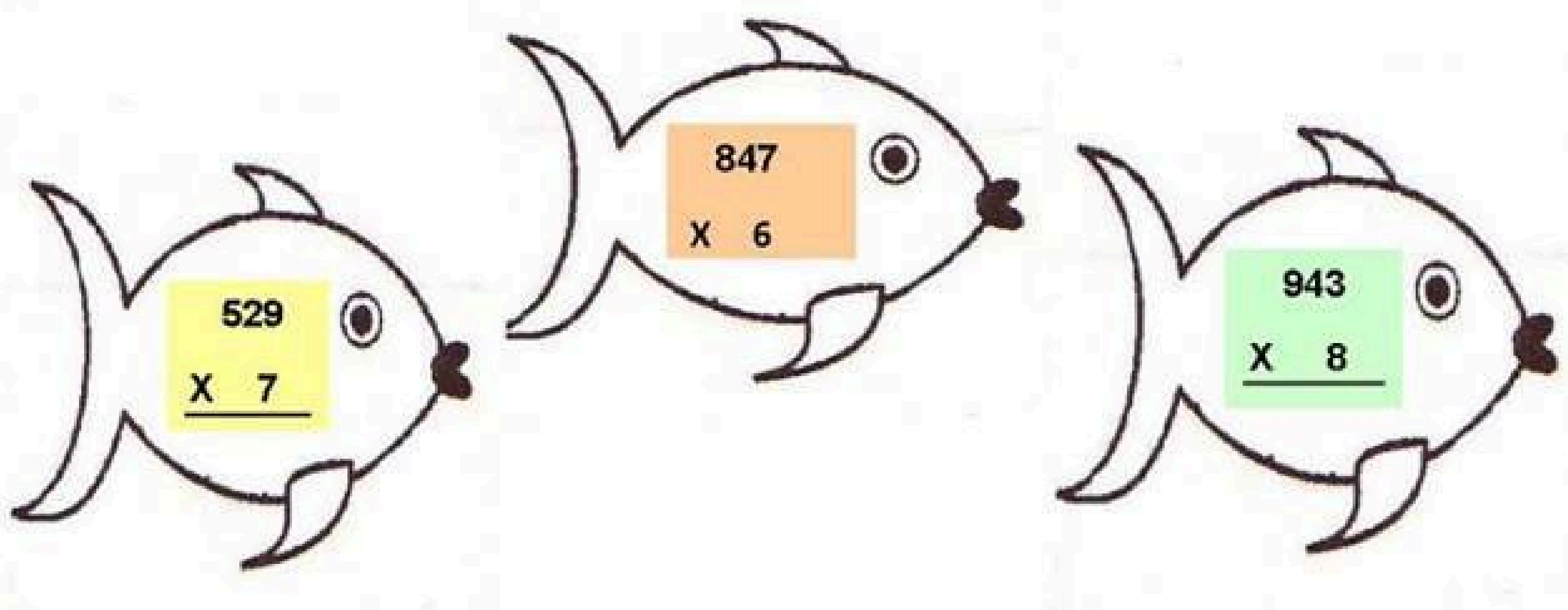


1) 158 x 4 = ...
2) 386 x 5 = ...
3) 264 x 8 = ...
4) (4 x 6) = (2 x ....) = ...
5) A car holds 486 kg. of vegetables. How many kgs. do 9 cars hold?
.... K.g

6) Ahmed saves P.T 73 every day, how much money does he save in a week?
....P. T.

7) A merchant bought 274 pieces of cheese for L.E 8 each. What was the price of all cheese?
.... L.E

Find the answer



Work sheet [5]

1) Find the product :

a) 5 x 10 = ...   6 x 100 = ...   23 x 1000 = ...

b) 2 x 5 x 100 = ...   7 x 4 x 10 = ...   5 x 2 x 12 = ...

c) 22 x 5 = ...   123 x 4 = ...   4 0 7 x 6 = ...

2) Multiply :

406	534	1008	540
x 4	x 7	x 5	x 6
....	....	....	....

3) Complete the missing digits :

5 3	2 5	8 0 4
x 6	x 7	x 3
3 □ □	□ 7 □	2 □ 1 □

4) Put (<) or (>) or (=) :



a) 2467 - 898 .... 6339 - 49

b) 5762 x 2 .... 5762 x 5

c) 478 x 80 .... 4780 x 8

d) 2465 x 7 .... 2465 + 7

e) 100 x 333 .... 3330 x 10

f) 250cm .... 3 m

5) Sally bought 3 shoes for 18 pounds each, and 4 bags for 18 pounds each. How much did she pay?

The price of the shoes = ...x............. = ... pounds.

The price of the bags = ...x............. = ... pounds.

The total price she paid = ...+............. = ... pounds.

6) Check the results and correct the mistakes :

a) 35 = 2 + 3 + (3 x 10)

b) 854 x 3 = 2572

c) 9 x 8 = (8 x 8) + (8 x 2)



7) Find the price of 7 metres of cloth, if the price of one metre is 75 pounds, and find the price of 70 metres of this cloth .

The price of 7 metres = ... pounds,
Theprice of 70 metres = ... pounds

Unit test

1) Complete each of the following:

a) 9 × ...... = 10 × ...... = ...



b) 8 + 8 + 8 = 8 × ......

c) 3 × 1000 = ... × 3 = ...

d) 6 × 7 = (6 × 5) + 6 × ......

e) (7 × 8) – (7 × 5)= 7 x ....

f) 65 = 6 × 10 + ...

g) 16 pounds and half = ... + ... = ...P.T

h) 3 × 8 × 5 = 15 × ......

i) 30 × ...... = 4 × 5 × 6



j) 5 × 9 = 5 × 10 - ......

k) ...... × 100 = 100 × ...... = 650

l) (3 × 15) + (4 × 18) = ... + ... = ...

m) 6 × 1000 = 3 × ...... × 1000

n) 100 × ...... = 98 000

2) Choose between brackets:

a) 4 × ...... × 1000 = 32 000 (5 – 7 – 8)

b) 9000 tens = ... (900 – 90 000 – 90)

c) 86 kilogram = ... gram (8 600 – 860 – 86 000)

d) ...... pounds = 600 P.T (6 – 5 – 4)

3) Complete:

268	9035	4072
×7	×5	×4
....	....	....

2 8 4 3	4 5 3 6	216 3
× 3	× 2	× 9
□ 5 □ 9	□ □ 7 2	□ □ 6 □

4) 6 , 18 , 54 , ... , ... , ... , ...

5) Sandy bought some books for 78 pounds and 3 toys for 15 pounds each find out:

- The price of the books = ... pounds

- The price of the toys = ... pounds

Division

Division is the opposite of multiplication.



To divide 8 by 4, we ask ourselves what's the number multiplied 4 gives 8?

The answer will be : 2

Since: 4 x 2 = 8 therefore: 8 ÷ 4 = 2 (x)

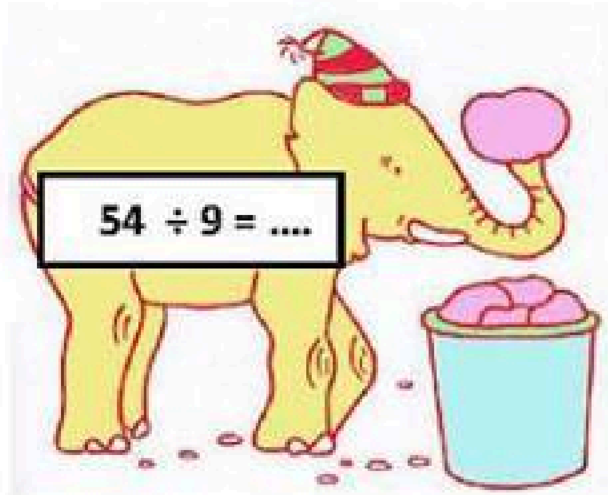
Examples

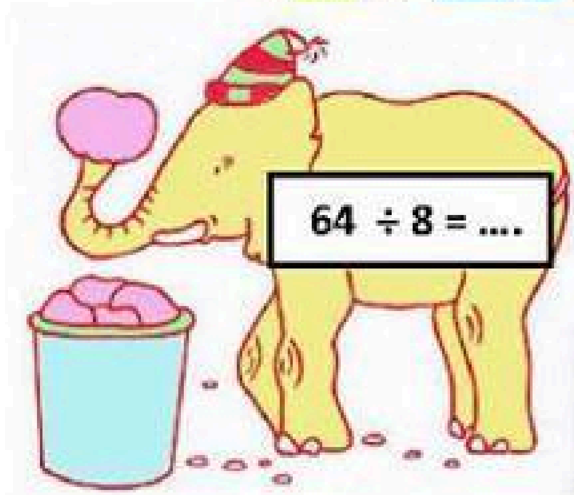
8 ÷ 2 = ...4.....	2 x ...4..... = 8
16 ÷ 4 = ...	4 x .... = 16
10 ÷ 5 = ...	5 x .... = 10
9 ÷ 3 = ...	3 x .... = 9
24 ÷ 1 = ...	1 x .... = 24
108 ÷ 9 = ...	9 x .... = 108
18 ÷ 18 = ...	18 x .... = 18

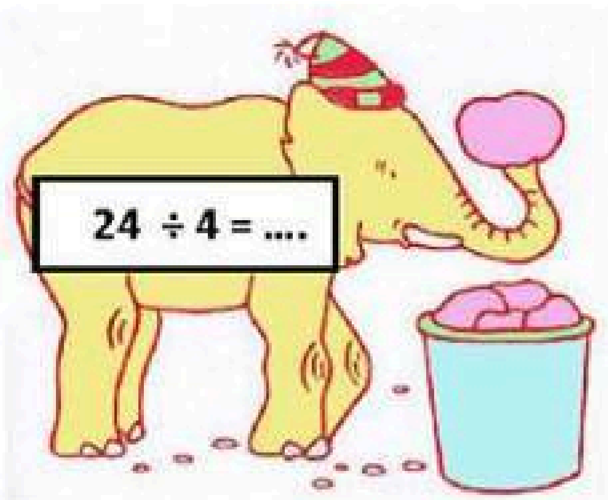


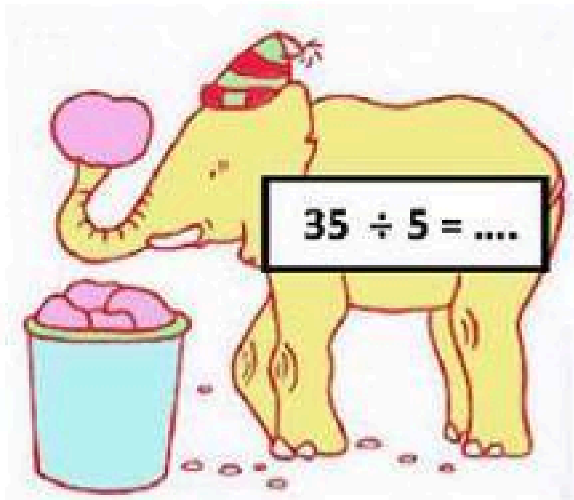
You have three minutes to write the answers of the division.

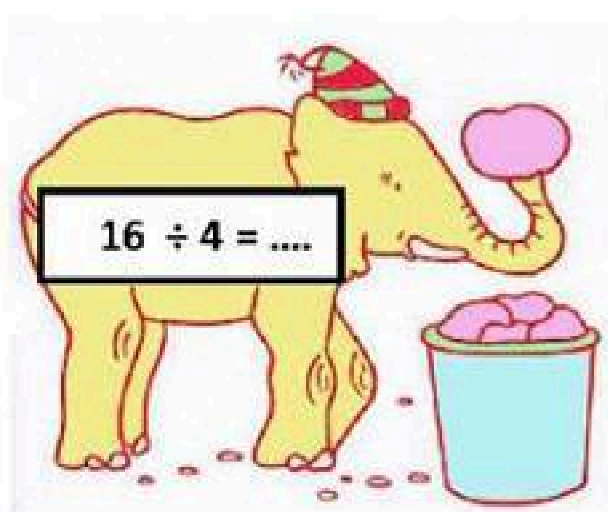


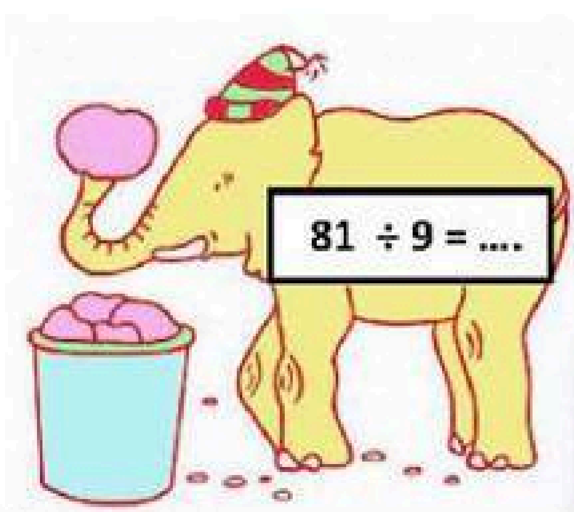












Work sheet [6]



☒ 81 ÷ 9 = ……….

☒ 63 ÷ 9 = ………

☒ 18 ÷ 3 = ………

☒ 72 ÷ 9 = ……..

☒ 20 ÷ 5 = ………

☒ 48 ÷ 8 = ……..

☒ 36 ÷ 4 = ……….

☒ 16 ÷ 1 = ………..

☒ 35 ÷ 5 = ……

☒ 68 ÷ 1 = ……..

☒ 40 ÷ 8 = ………

☒ 50 ÷ 5 = ………

☒ 54 ÷ 6 = ………

☒ 47 ÷ 47 = ……….

☒ 42 ÷ 7 = ……….

☒ 18 ÷ 3 = ……….

☒ 36 ÷ 6 = ……….



1) How many fives are there in ten?

……………………………………………

2) How many twos are there in 12?

……………………………………………

3) How many eights are there in 8?

……………………………………………

4) How many threes are there in three?

……………………………………………



5) How many fives are there in 15?

……………………………………………

6) How many fours are there in 20?

……………………………………………

7) How many threes are there in 36?

……………………………………………

8) How many threes are there in 21 ?

……………………………………………

Relation between multiplication and division

Notice that

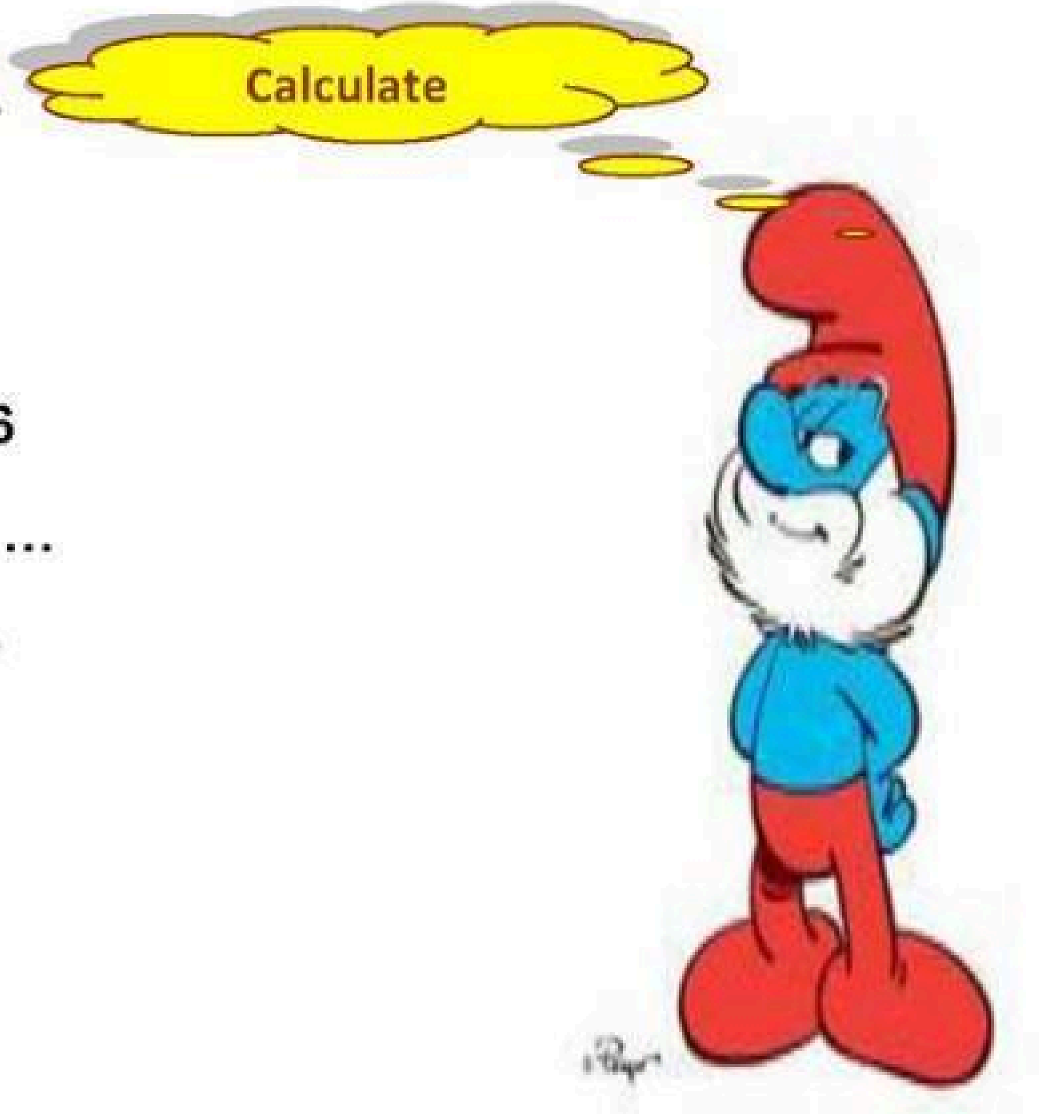
- 6 X 8 = 48
  - ...48... ÷ 8 = 6 ⟶ 8 ⟌ 48 (quotient: ......)
  - ...48... ÷ 6 = 8 ⟶ 6 ⟌ 48 (quotient: ......)



- 9 X 4 = 36
  - ...36... ÷ 4 = ... ⟶ 4 ⟌ 36 (quotient: .....)
  - .... ÷ 9 = 4 ⟶ 9 ⟌ 36 (quotient: ......)

☒ 18 ÷ ...... = 3

☒ 72 ÷ ..... = 9



☒ …. ÷ 5 = 4

☒ 48 ÷ …… = 8

☒ …. ÷ 4 = 9

☒ 16 ÷ …. = 16

☒ 35 ÷ 5 = ……

☒ 68 ÷ … = 68

☒ ….. ÷ 8 = 5

☒ …. ÷ 5 = 12

☒ 54 ÷ ….. = 9

☒ 47 ÷ ….. = 1

☒ How many threes are there in 18 ?

☒ …………………………………………………

☒ How many ones are there in 15 ?

☒ ……………………………………………………

☒ How many fours are there in 20 ?

☒ ………………………………………………

Work sheet [8]

Now draw a big smile on your face



1) Hania has 72 sweets, she wants to divide them among 8 pupils. How many sweets will each one get?

……………………………………………………………….

2) A piece of cloth of 28 meters length was divided equally by 7 persons. Find the share of each one?

………………………………………………………………

3) How many ones are there in 7?

……………………………………………………………….

4) If the box Pepsi contains 36 bottles and each row has 9 bottles. How many bottles are there in each column?

………………………………………………………………

5) How many sevens are there in 7?

…………………………………………………………….

6)If you want to divide 24 flowers into 6 sets,
How many flowers are there in each set?

………………………………………………………………

Are you ready for the following.



7) Complete:

- $\frac{45}{5}$ = ……… , $\frac{16}{8}$ = ………
- $\frac{64}{8}$ = …….. , $\frac{54}{6}$ = ……….
- 9 X ….. = 36 , ……. X 12 = 96
- $2 \overline{)22}$, $7 \overline{)42}$
- $8 \overline{)64}$, $\overset{5}{\dots\overline{)60}}$
- 21 ÷ 7 = …… , 32 ÷ 4 = ………
- …… ÷ 4 = 6 , 72 ÷ ……. = 8
- ….. X 4 = 16 , 56 ÷ 8 = ……..
- $\frac{\dots\dots\dots}{8}$ = 7 , $\frac{\dots\dots\dots}{5}$ = 7

Work sheet [10]

Let's see how fast can you answer these problems.



6 ⟌ 1236	3 ⟌ 915	5 ⟌ 3525
7 ⟌ 4207	4 ⟌ 3620	8 ⟌ 2408
7 ⟌ 7028	3 ⟌ 9216	6 ⟌ 3612



2 ⌐ 4802	7 ⌐ 3514	5 ⌐ 45020
3 ⌐ 15219	4 ⌐ 32012	7 ⌐ 49021
3 ⌐ 9021	4 ⌐ 8416	6 ⌐ 24042

Work sheet [11]



$5\overline{)5035}$	$2\overline{)4204}$	$7\overline{)91}$
$6\overline{)1206}$	$4\overline{)3684}$	$3\overline{)3696}$
$2\overline{)2214}$	$5\overline{)6575}$	$8\overline{)96016}$



4 ⟌ 12804	7 ⟌ 2135	5 ⟌ 5025
3 ⟌ 1212	9 ⟌ 36027	4 ⟌ 5680
3 ⟌ 48012	5 ⟌ 15500	2 ⟌ 4408



Word problems

Practice makes perfect! So try to solve the following problems.

1) How many meters of cloth can you buy for 4808 L.E, if the price of one meter is 8L.E.

....

2) If there are 248 tourists in four equal buses. How many tourists are there in each bus?

....

3) Seif has 427 cubes, he wanted to make seven pyramids. How many cubes form one pyramid?

....

4) Noha has 200 P.T, she bought 4 meters of cloth and she has 120 piasters left. What is the price of one meter?

....

5) Ramy has 63 marbles and Dina has 57 marbles. They put all the marbles together in three equal bags. How many marbles they put in each bag?

....



Work sheet [12]

Please help me to solve this exercise quickly.

1) Complete

A) 9603 ÷ 3 = ...

B) 1000 ÷ 10 = ...

C) 4800 x 24 = ...

D) 630 x 2 3 = ...

E) 5055 x 45 = ...

F) 28042 ÷ 7 = ...

G) 62436 ÷ 6 = ...

H) 1601 ÷ 92 = ...

I) 48072 - 2987 = ...

J) 45300 + 5555 = ...



2)Put (<) , (>) or (=) :

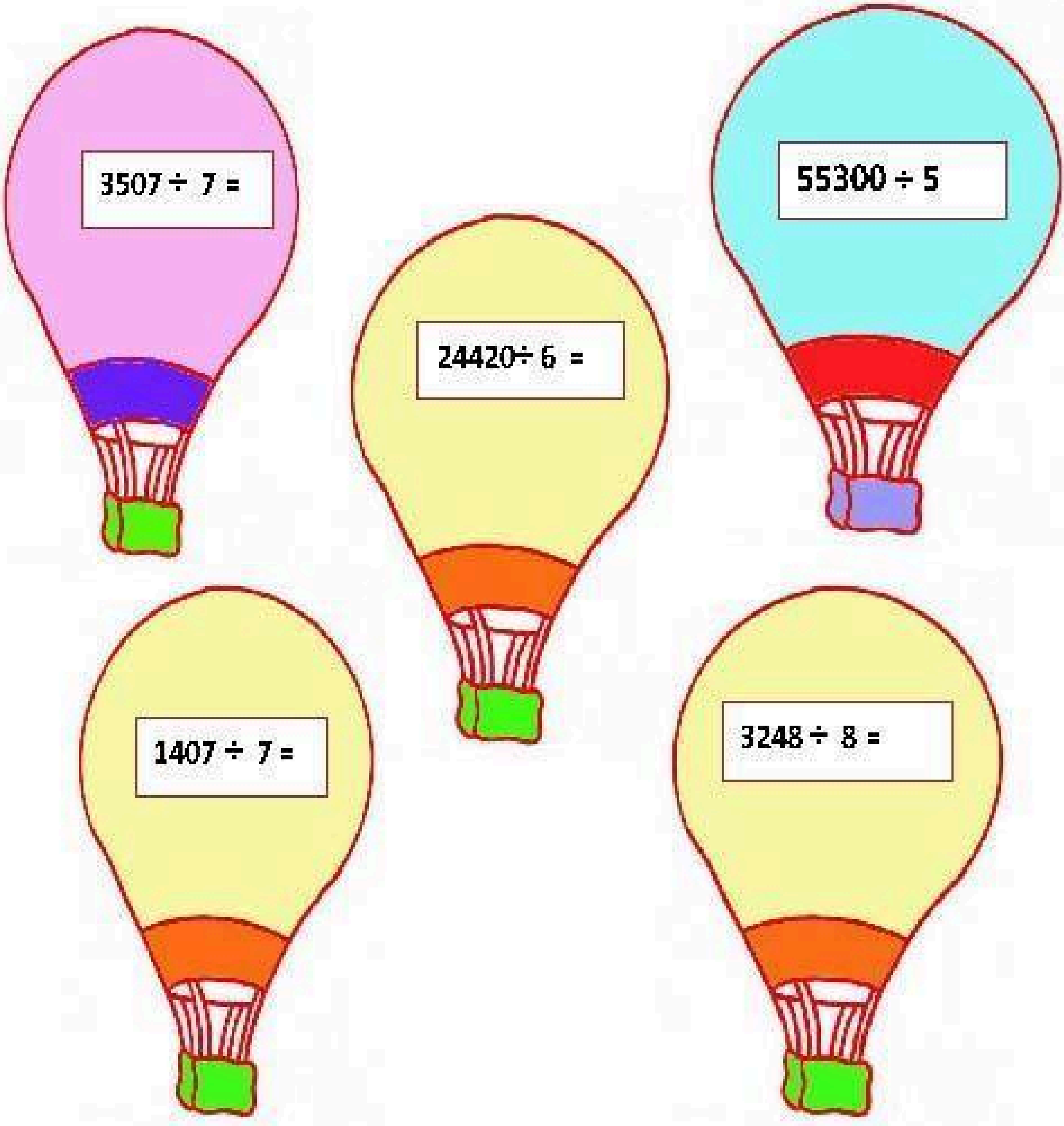
a. 486 ÷ 3 .... 486 x 3

b. 1340 ÷ 5 .... 1340 ÷ 2

c. 2563 x 4 .... 2563 x 8

d. 2050 ÷ 5 .... 2500 ÷ 5







- **7217 ÷ 7 = …………..** , $\frac{4530}{5}$ = ………
- **52530 ÷ 5 = …………..** , $\frac{366}{6}$ = ………
- **24012 ÷ 6 = …………..** , $\frac{1442}{7}$ = ………
- **4008 ÷ 8 = …………..** , $\frac{48620}{2}$ = ………
- **3216 ÷ 4 = …………..** , $\frac{60021}{3}$ = ………
- $\frac{1005}{5}$ = ………….. , $\frac{612}{6}$ = …………
- **………….. ÷ 7 = 4265**
- **………….. ÷ 5 = 8354**
- **551 x 5 = …………..**
- **81 ÷ …….. = 9**
- **6204 ÷ 2 = …………..**
- **………… ÷ 1 = 6487**





Even numbers and Odd numbers

Even numbers They are the numbers whose units digit is 0 , 2 , 4 , 6 , 8.

Odd numbers They are the numbers whose units digit is 1 , 3 , 5 , 7 , 9.

Work sheet [1 3]

1) Write (even) or (odd) :

a) 16 ( )	b) 33 ( )	c) 89 ( )
d) 525 ( )	e) 490 ( )	f) 992 ( )
g) 247 ( )	h) 758 ( )	i) 300 ( )
j) 594 ( )	k) 111 ( )	l) 2483 ( )

2) Complete :

a) The even number just after 8 is ....

b) The odd number just before 20 is ....

c) The even number that lies between 34 and 38 is ....

d) The two even numbers that lies between 3 and 7 are .... and ....

e) The two odd numbers that lies between 20 and 25 are .... and ....

f) The three odd numbers less than 7 are .... , ... and ....

g) The three even numbers less than 6 are .... , ... and ....

h) 2 , ... and 6 are three even numbers, there sum = 10.

i) The sum of two even numbers is an .... numbers.

j) The sum of two odd numbers is an .... numbers.

k) The sum of an even number and an odd number is an .... numbers.

l) Any even number + 1 = an .... number.

m) Any odd number + 1 = an .... number.

n) Any even number + 2 = an .... number.

3) Without adding write (even) or (odd) :

a) 16 + 38 (   )   b) 33 + 45 (   )

c) 55 + 44 (   )   d) 40 + 99 (   )

e) 247 + 742 (   )   f) 758 + 263 (   )

g) 594 + 954 (   )   h) 111 + 777 (   )

4) Find :

a) The even numbers between 25 and 35 : ....

b) The odd numbers between 20 and 30 : ....

c) Two consecutive even numbers less than 10 : ....

d) Two consecutive odd numbers less than 15 : ....

e) Two consecutive even numbers more than 10 : ....

f) Two consecutive odd numbers more than 15 : ....

g) Two even numbers their sum = 2 are : .... and ....

h) Two odd numbers their sum = 6 are : .... and ....

Unit test 1

1) Complete:

a) $60 \div 10 =$ ......

b) $350 \div 5 =$ ......

c) If $6 \times 9 = 54$, then $54 \div 9 =$ ......

d) ...... $\div 7 = 6$

e) $63 \div$ ...... $= 7$

f) $24 \div 3 = 2 \times$ ......

g) .... $\times 7 = (40 + 9)$

h) How many sixes are there in 48? ....

2) Complete the same pattern

a) 810 , 430 , ... , ...

b) 428 , 418 , ... , ... , ...

c) 625 , 630 , ... , ... , ...

d) 15 , 30 , ... , ... , ...

e) .... , 100 , 125 , ... , ... , ...



3) Write 2 even numbers. Their sum = 60

....

4) Write 2 odd numbers their sum = 90

....

5) Write an even and odd number their sum = 45

....

6) Put > , < or = :

a) $630 \div 2$ .... 630×2

b) $4024 \div 2$ .... $4240 \div 2$

c) $318 \div 3$ .... $183 \div 3$

d) $9000 \div 100$ .... 900×10

e) $1761 \div 3$ .... 1761×3



7) Underline the even number :

3694 – 1726 – 1829 – 3081

8) Circle the odd number :

728 – 192 – 177 – 3007 – 1230

9) Choose between brackets :

a) Odd number + ... number = odd number (even – odd)

b) $35 \times$ ...... = 350 (100 – 1000 – 10)

c) $63 \div 3 = 7 \times$ ...... (1 – 2 – 3)

d) $7 \times 9 = 7 \times$ ...... + 7 (7 – 8 – 9)

Unit test 2

1)Complete each of the following:

a) 22 × …… = 100 × …… = ……….

b)The numbers 18 , 56 , 90 are called………………numbers

c)8 × 467 = ……….

d)648 ÷ 8 = ……….



2)Choose between brackets:

a) (6 x 6) ÷ 6 = ……… (5 – 1 – 6)

b) 7000 tens = …… (700 – 70 000 – 70)

c) 76 kilogram = …… gram (7 600 – 760 – 76 000)

d) …… pounds = 800 P.T (8 – 5 – 3)

e) The odd number between 6 , 12 (8 – 9 – 13)

3)A mother wants to distribute 32 cup cakes equally among

8 children .Each one takes =…………..cakes

4)Find:

a)

194	2034	8795
×6	×8	×3
………	………	………

b) 8042 ÷ 2 =…………

c) 60990 ÷ 3 =……….

d) 4207 ÷ 7 =…………



5)Complete each of the following:

a) 34 pounds and half = …… + …… = ……P.T

b) 4 × 6 × 7 = 24 × ……

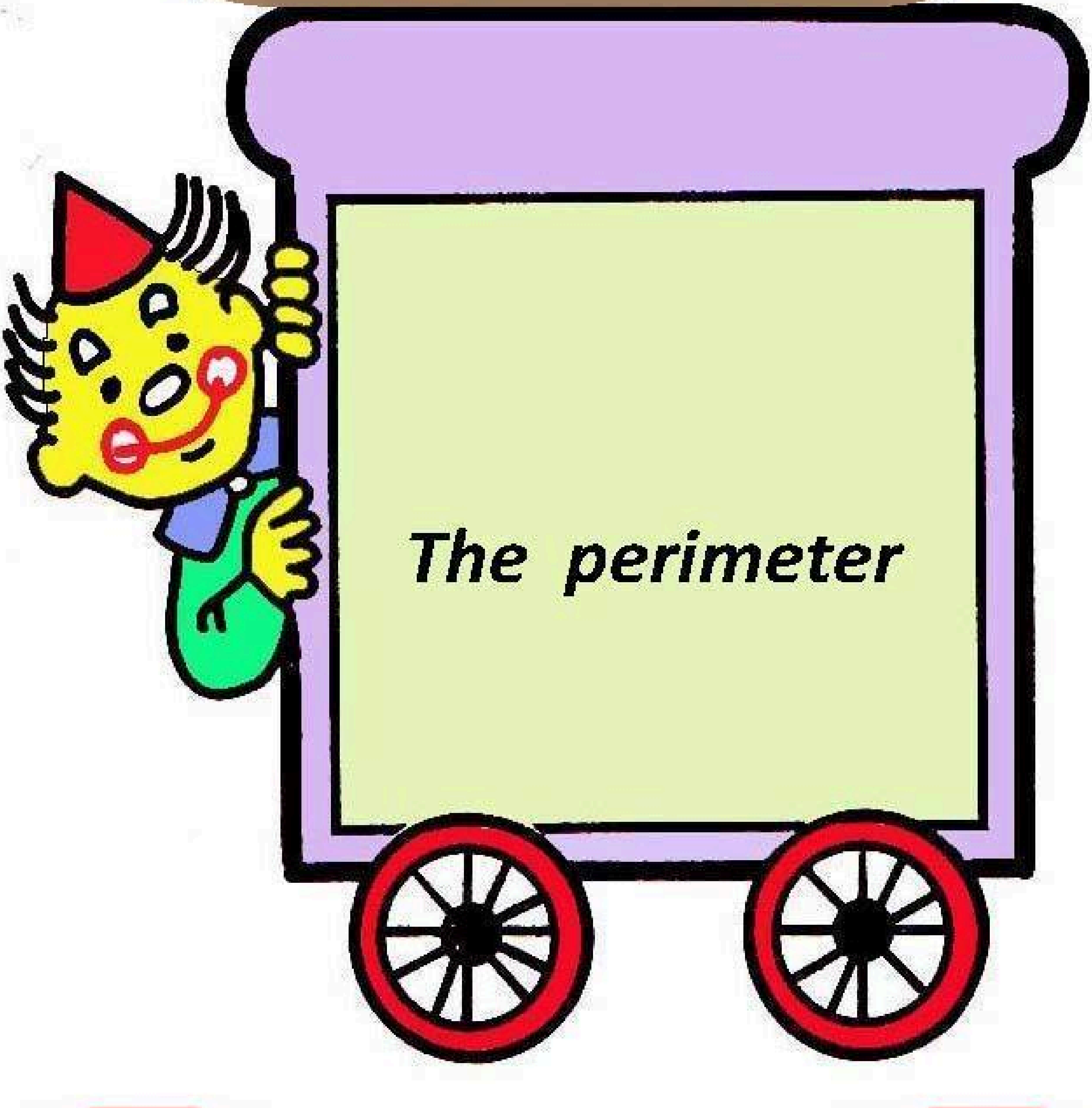
c) 28 × …… = 4 × 9 × 7

d)6 × 7 = 6 × 10 - ……

e)…… × 1000 = 1000 × …… = 44000

f)(4 × 20) + (5 × 15) = …… + …… = ……

Geometry





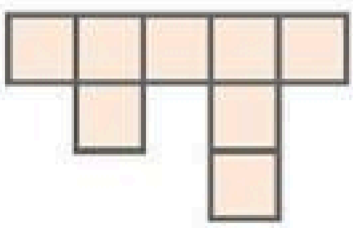


The perimeter of any shape is the length of the lines that outlines the shape.

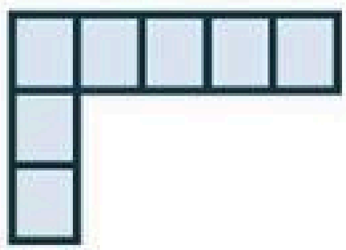
The perimeter of any polygon equals the sum of its sides' lengths .

Work sheet [14]

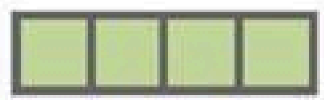
1) Calculate the perimeter of each shape consider the length of the small squares' side a unit



per = ………… units

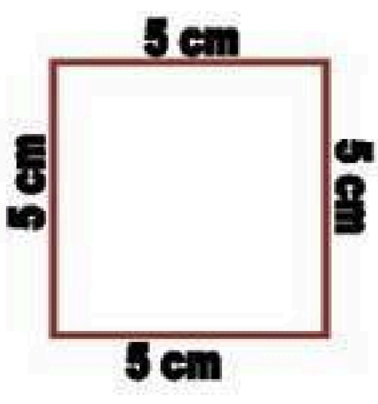


per = ………… units

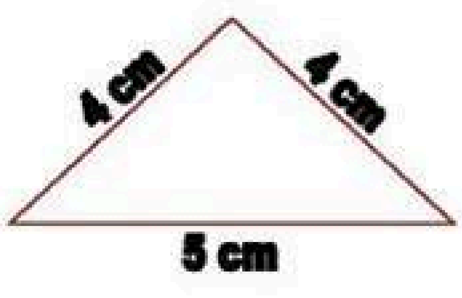


per = ………… units

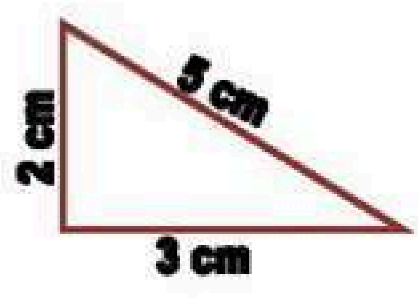
2) Complete :



per = ………… cm



per = ………… . cm



per = ………… cm



3) Find :

a) The perimeter of a triangle its sides are 4 , 6 , 7 cm.

The perimeter = ... cm.

b) The perimeter of a triangular piece of land is 150 m .

find the length of its third side if the sum the two

sides is 80m.

The side length = ...cm.

c) A square the length of its side is 6 cm,find its perimeter.

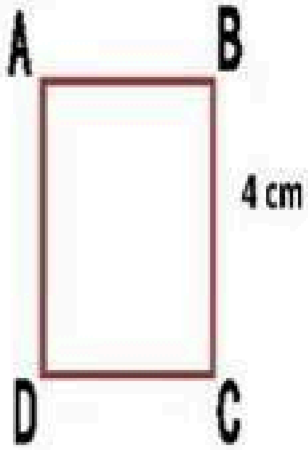
The perimeter = ...cm.

4) The opposite figure represents the square ABCD

AB = ... BC = ...,

CD =.......... , AD =...........cm

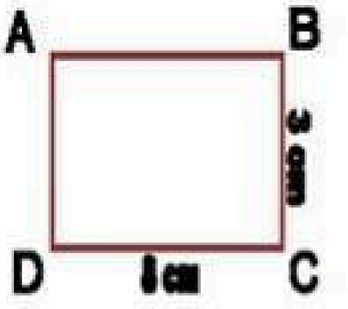
Its perimeter = ...cm.



5) A rectangle its length is 8 cm and its width is 3 cm

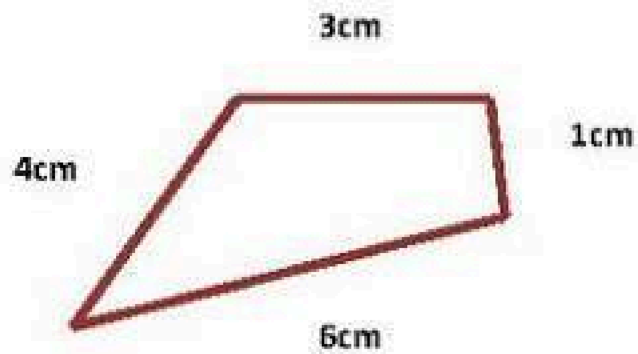
calculate the perimeter.

Its perimeter = ...cm



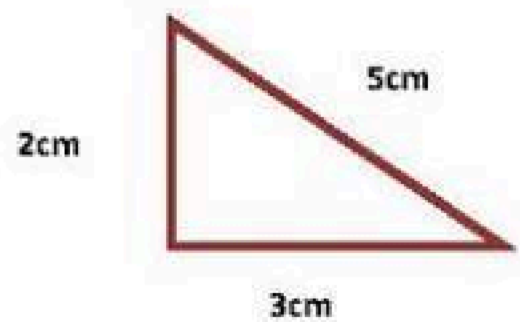
Work sheet [1 5]

1)Calculate the perimeter of each of the following shapes



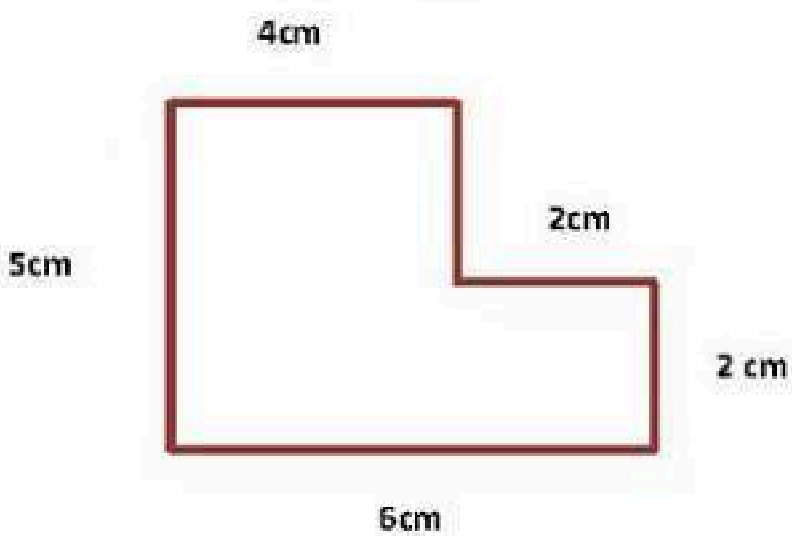


Per = ... cm





Per = ... cm





Per = ... cm

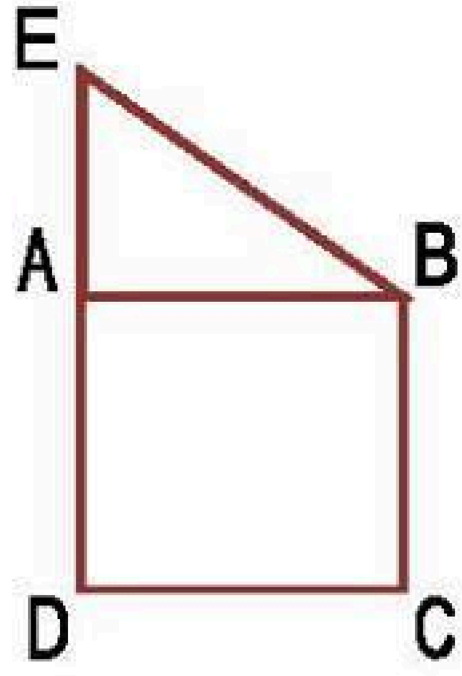


Perimeter = ... cm

2)In the opposite shape ABCD Is a square

Where AB = 4 cm,

DE = 7cm , EB = 5cm



Calculate :

a) The perimeter of square ABCD.

……………………………………………

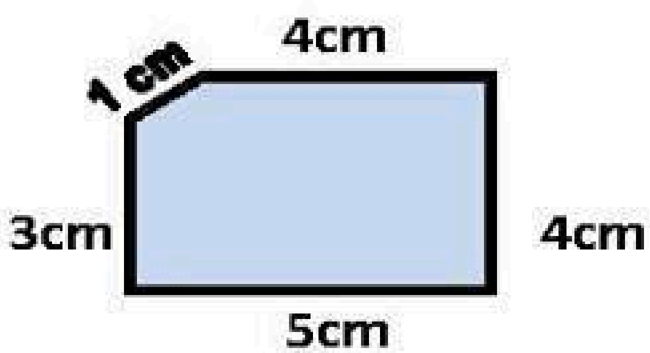
b) The perimeter of triangle AEB.

……………………………………………

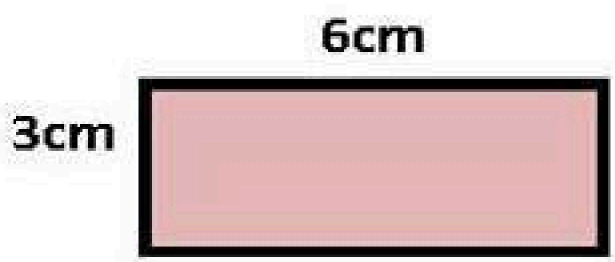
C) The perimeter of Whole the shape EDCB.

…………………………………………………………

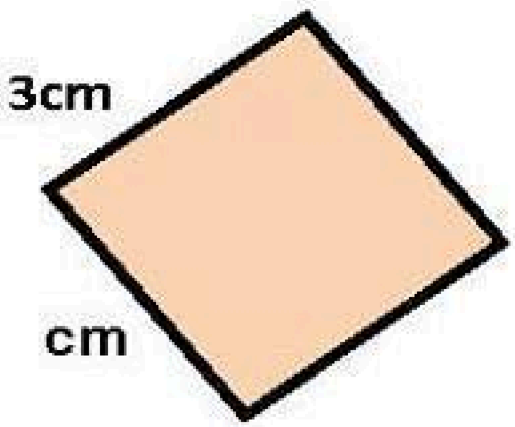
3) Find the perimeter of each of the following shapes :



per = ………. cm



per = ………… cm



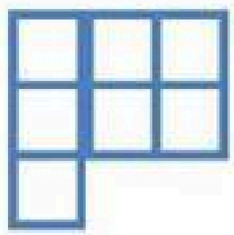
per = ……… cm



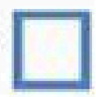
The area



Area of a shape is defined by the number of units Inside that shape .

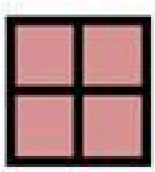


The area of this shape =

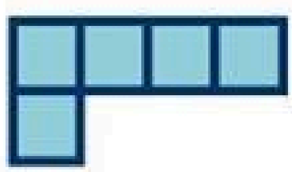
the number of the small squares = 7 

Work sheet [15]

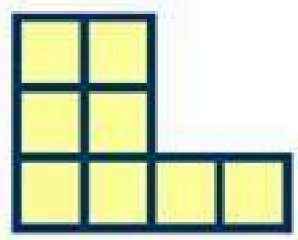
1) Calculate the area of the following shapes



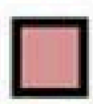
Figure(A)

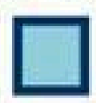


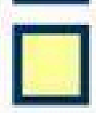
Figure(B)



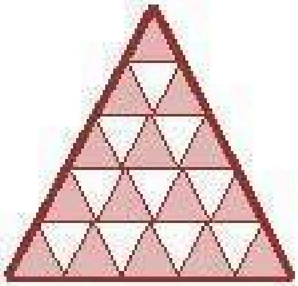
Figure(C)

Area of figure (A) = …………… 

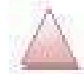
Area of figure (B) = …………… 

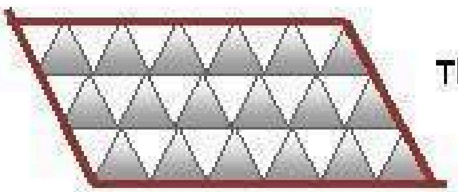
Area of figure (C) = ……………. 

2) Calculate the area of the following shapes:



The area = ………………

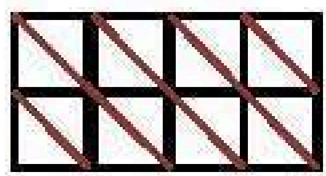




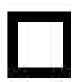
The area = ………………



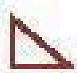
3) Write the area of the opposite figure according to the given unit :



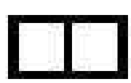
a) The area = ……….



b) The area = ……….

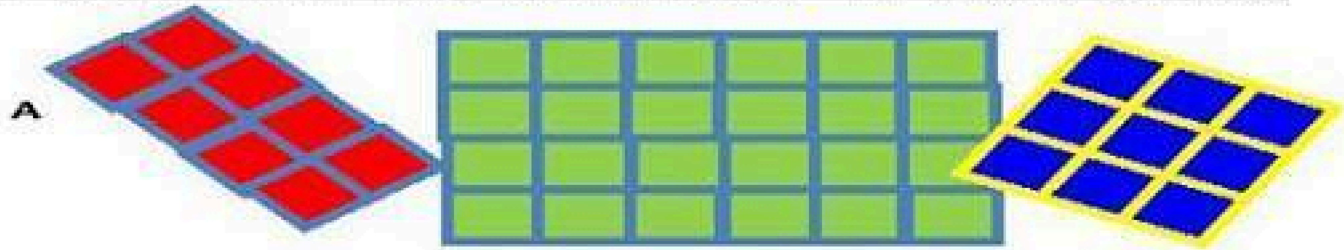


c) The area = ……….





4) Find the area and the perimeter of each shape



	The red rectangle A	The green rectangle B	The yellow square C
Perimeter	....	....	....
Area	....	....	....

5) Draw the following shapes :

a) A rectangle of sides 4 cm, 2 cm .Find its perimeter and its area .

b) A square its side 3 cm. Find its perimeter and its area

a)

b)



1) Complete:

a) The perimeter of a square of side 5 cm

The per. = ... × .... = ... cm

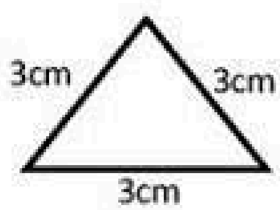
b) The perimeter of a rectangle of sides 6 , 3 cm = ...cm

c) The perimeter of a triangle whose sides are 5 , 6 , 4 cm

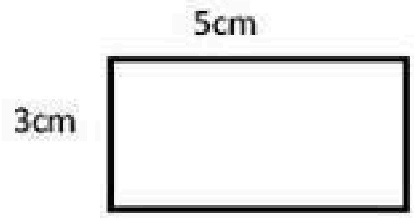
is .... cm

d) The perimeter of any geometric figure is the .... of all its sides lengths.

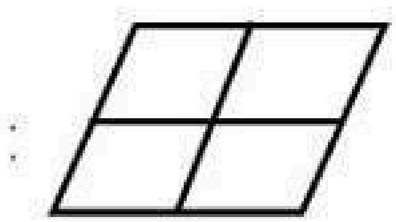
e)

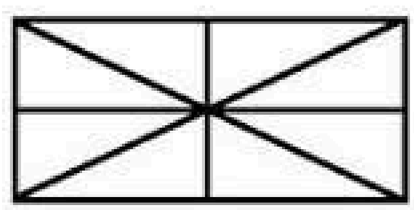


Per = ... cm

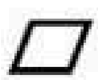


Per = ... cm

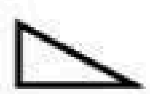




f) Per = ... cm

Area = ... 

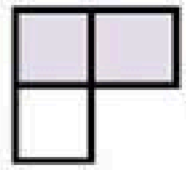
Per = ... cm

Area = ... 

Exam



2) Choose between brackets:

a) The perimeter of the shown figure  is .... cm. (5 – 7 – 8)

b) 18 pounds = ... p.t (180 – 18000 – 1800)

c) $4 \times 9 \times 10 =$ .... (3600 – 36 – 360)

d) $2624 \div 2 =$ .... (1313 – 1312 – 1321)

e) The greatest 3 – digits even consisting of 6 , 8 , 3 is ....

(368 – 863 – 836)

f) 8 meters and quarter = ... cm (850 – 825 – 852)

3) Complete:



a) 36 , 42 , ... , ... , ...

b) 10000 , 1000 , ... , ... , ...

4) A man distributed 2550 pounds among his 5 sons.

Then the share of each = ... pounds.

5) Noha bought 285 cans each by 6 L.E .

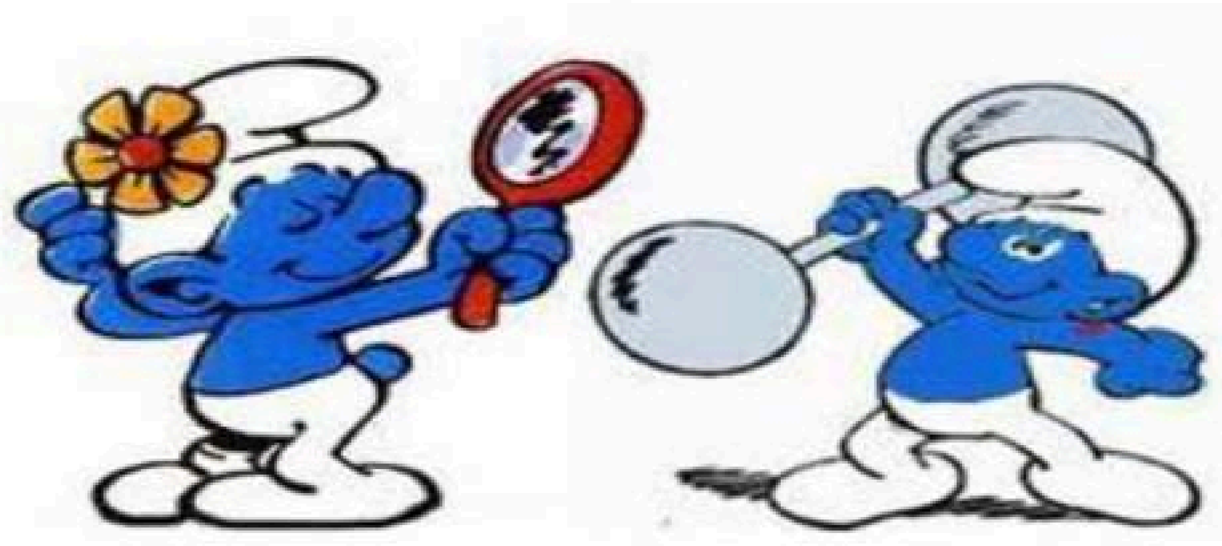
Find how much money did she pay = ... pounds

Unit four

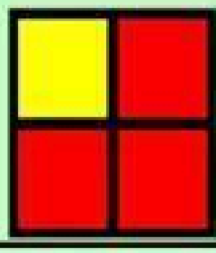
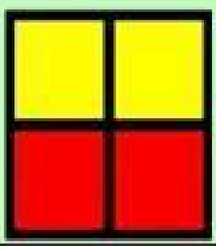
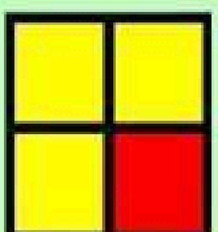
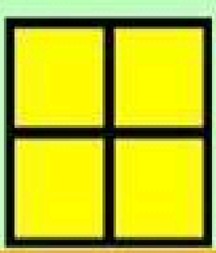


Fractions





A fraction is part of an entire object.

	$\frac{1}{4}$	**One fourth is yellow.**
	$\frac{2}{4}$	**Two fourths are yellow. One half is yellow.**
	$\frac{3}{4}$	**Three fourths are yellow.**
	$\frac{4}{4}$	**Four fourths are yellow.**

Work sheet [16]



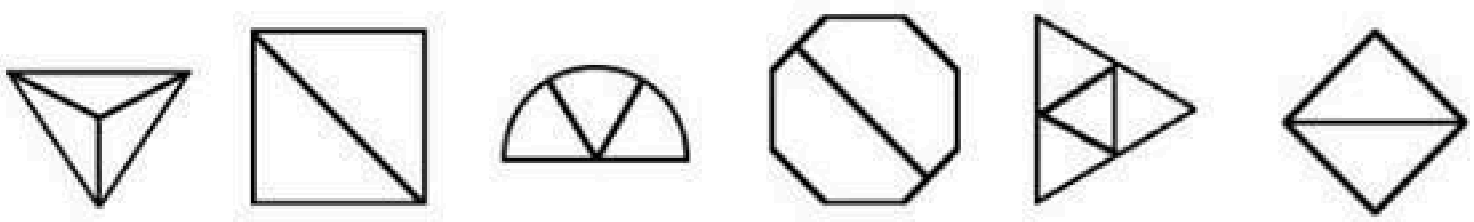
1) Circle the shape that shows three thirds.



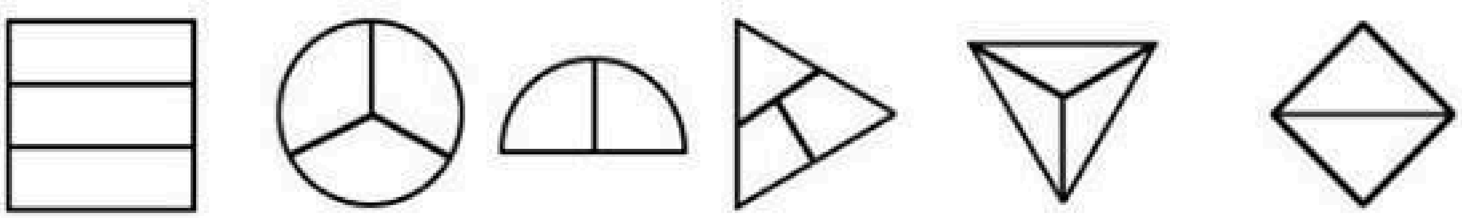
2) Circle the shape that shows four fourths.



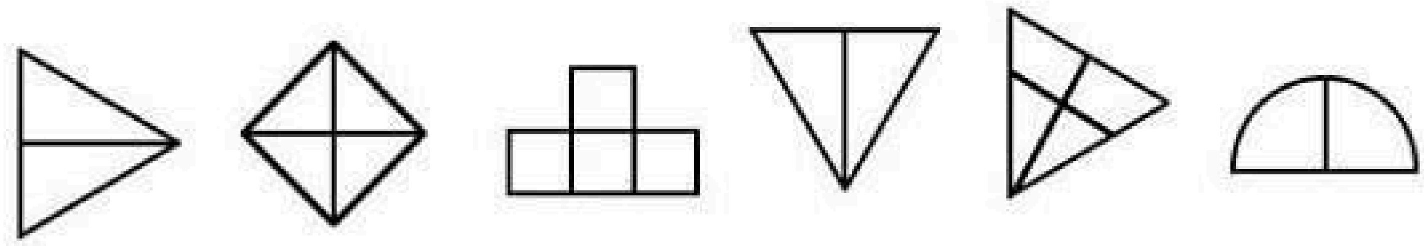
3) Find the shapes that show halves :



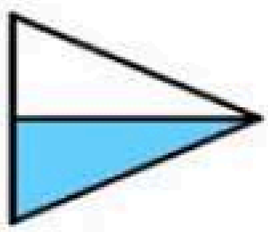
4) Find the shapes that show thirds :



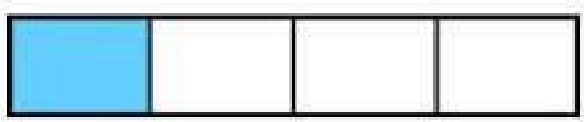
5) Find the shapes that show fourths (quarters) :



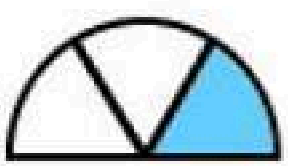
6) What fraction does the coloured part show? Circle the fraction.



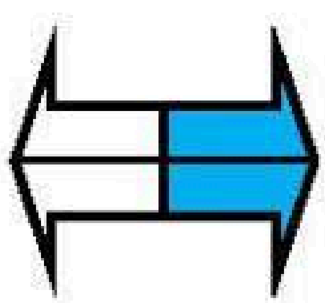
($\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$)



($\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$)



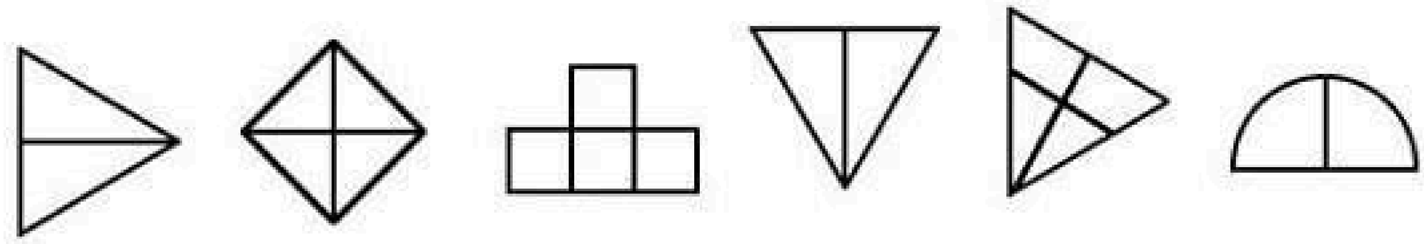
($\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$)



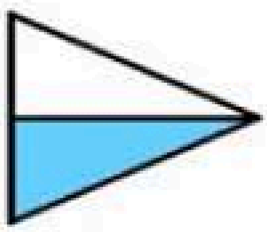
($\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$)



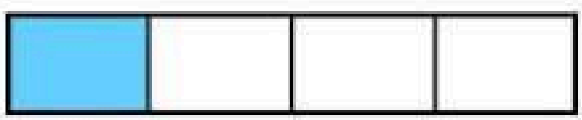
5) Find the shapes that show fourths (quarters) :



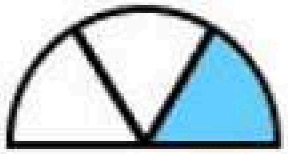
6) What fraction does the coloured part show?
Circle the fraction.



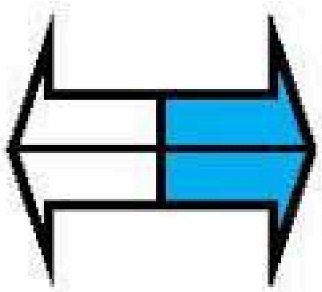
($\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$)



($\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$)



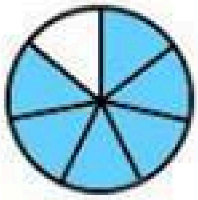
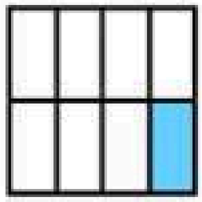
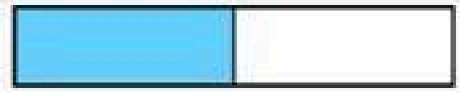
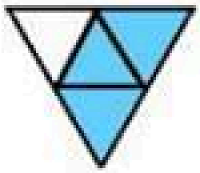
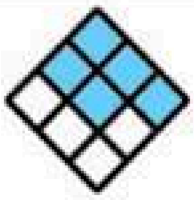
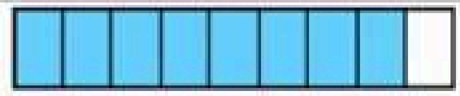
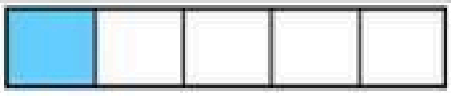
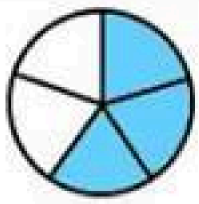
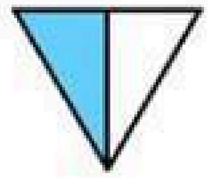
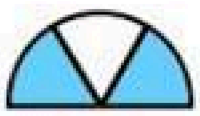
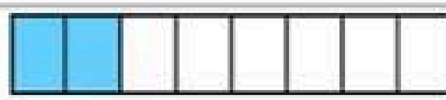
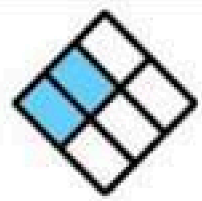
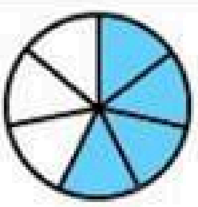
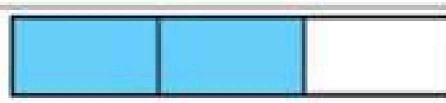
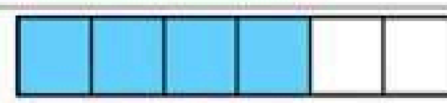
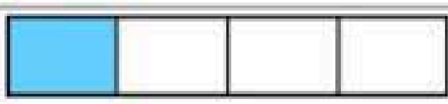
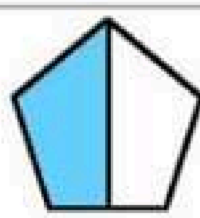
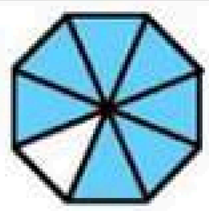
($\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$)



($\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$)



7) Write a fraction to show how much of the shape is shaded:

1. 	**2.** 	**3.** 
4. 	**5.** 	**6.** 
7. 	**8.** 	**9.** 
10. 	**11.** 	**12.** 
13. 	**14.** 	**15.** 
16. 	**17.** 	**18.** 

8) Write or read the following fractions:

a) Eight tenths = ...

b) Two fifths = ...

c) One half = ...

d) Three sevenths = ...

e) Four ninths = ...

f) Five sixths = ...

g) One third = ...

h) Three quarters= ....



9) Read and write the fraction :

a) $\frac{5}{8}$ = ...

b) $\frac{6}{10}$ = ...

c) $\frac{4}{7}$ = ...

d) $\frac{2}{3}$ = ...

e) $\frac{1}{7}$ = ...

$\frac{7}{9}$ = ...



Work sheet [18]

1) Find the missing number to make two equivalent fractions:

a) $\frac{1}{2} = \frac{4}{\ldots\ldots}$

b) $\frac{2}{6} = \frac{\ldots\ldots}{18}$

c) $\frac{4}{7} = \frac{\ldots\ldots}{21}$

d) $\frac{1}{3} = \frac{2}{\ldots\ldots} = \frac{\ldots\ldots}{12} = \frac{6}{\ldots\ldots} = \frac{\ldots\ldots}{15}$

e) $\frac{2}{5} = \frac{10}{\ldots\ldots}$

f) $1 = \frac{5}{\ldots\ldots} = \frac{\ldots\ldots}{9} = \frac{3}{\ldots\ldots} = \frac{\ldots\ldots}{\ldots\ldots}$

g) $\frac{1}{7} = \frac{\ldots\ldots}{14} = \frac{4}{\ldots\ldots} = \frac{6}{\ldots\ldots}$

h) $\frac{3}{4} = \frac{15}{\ldots\ldots} = \frac{\ldots\ldots}{40}$

i) $\frac{5}{8} = \frac{\ldots\ldots}{32}$



3) Circle the equivalent fraction :

1. $\frac{1}{3}$ $\frac{3}{5}$ $\frac{1}{9}$ $\frac{9}{3}$ $\frac{2}{6}$	2. $\frac{1}{2}$ $\frac{7}{2}$ $\frac{1}{6}$ $\frac{3}{6}$ $\frac{2}{1}$
3. $\frac{3}{4}$ $\frac{15}{20}$ $\frac{9}{10}$ $\frac{8}{9}$ $\frac{28}{29}$	4. $\frac{4}{11}$ $\frac{16}{44}$ $\frac{6}{9}$ $\frac{8}{15}$ $\frac{4}{5}$
5. $\frac{5}{6}$ $\frac{6}{5}$ $\frac{5}{12}$ $\frac{20}{24}$ $\frac{3}{6}$	6. $\frac{9}{12}$ $\frac{8}{10}$ $\frac{18}{24}$ $\frac{9}{4}$ $\frac{2}{12}$
7. $\frac{2}{5}$ $\frac{8}{11}$ $\frac{5}{8}$ $\frac{2}{9}$ $\frac{6}{15}$	8. $\frac{4}{10}$ $\frac{3}{7}$ $\frac{20}{50}$ $\frac{1}{2}$ $\frac{10}{11}$



Simlifying fractions

Simplify = reduce

1) Write each fraction in simplest form :

a) $\frac{12}{36}$ = ...

b) $\frac{20}{50}$ = ...

c) $\frac{15}{60}$ = ...

d) $\frac{4}{24}$ = ...

e) $\frac{9}{21}$ = ...

f) $\frac{12}{33}$ = ...

g) $\frac{24}{48}$ = ...

h) $\frac{8}{28}$ = ...

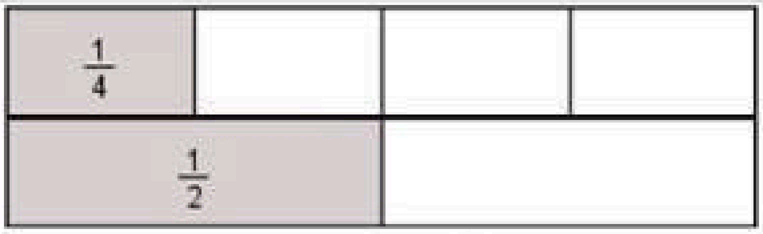




Comparing fractions

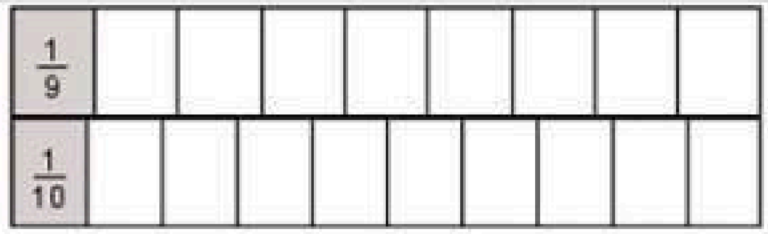
1) Compare. Put (<) , (>) or (=) :

1.



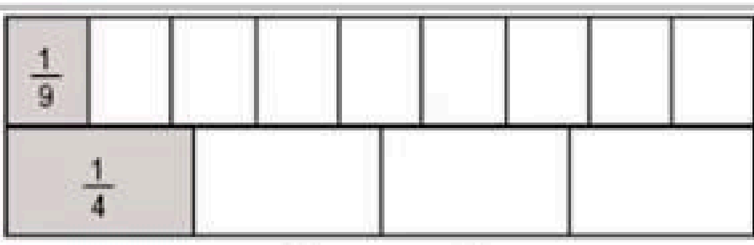
$\frac{1}{4} \bigcirc \frac{1}{2}$

2.



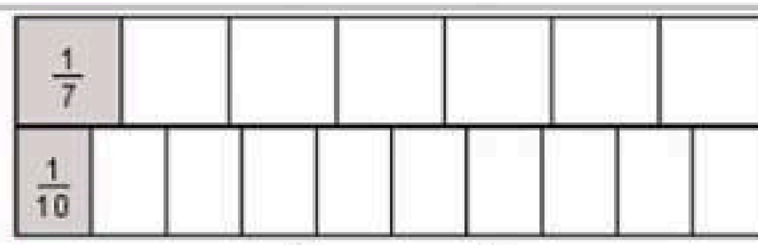
$\frac{1}{9} \bigcirc \frac{1}{10}$

3.



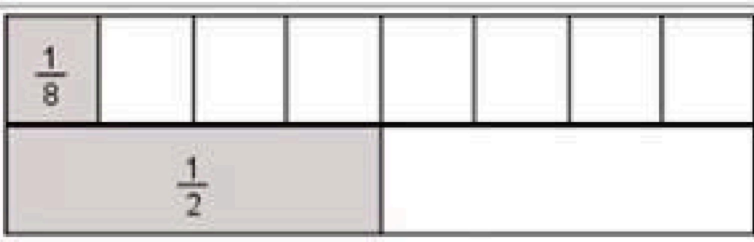
$\frac{1}{9} \bigcirc \frac{1}{4}$

4.



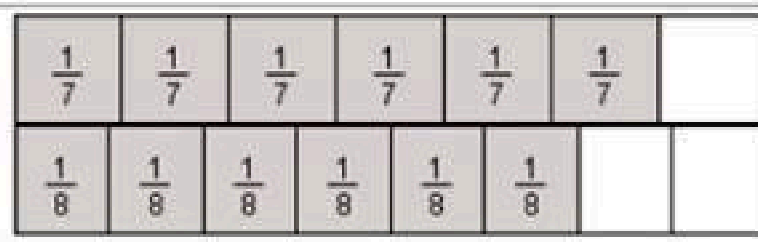
$\frac{1}{7} \bigcirc \frac{1}{10}$

5.



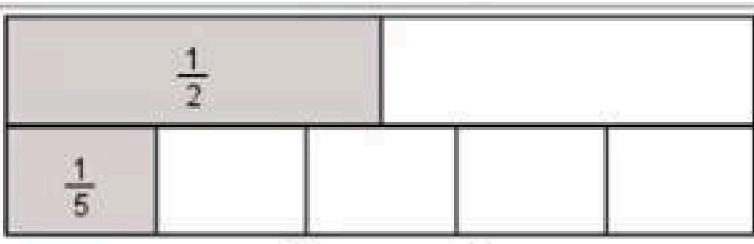
$\frac{1}{8} \bigcirc \frac{1}{2}$

6.



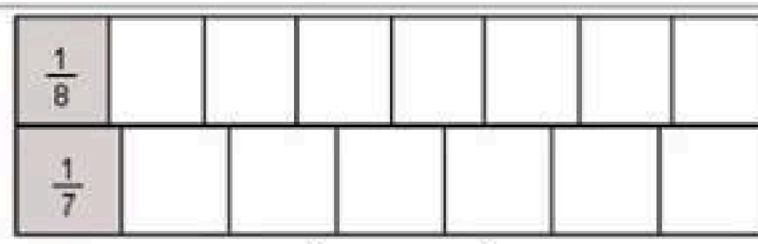
$\frac{6}{7} \bigcirc \frac{6}{8}$

7.



$\frac{1}{2} \bigcirc \frac{1}{5}$

8.



$\frac{1}{8} \bigcirc \frac{1}{7}$



2) Put (<) , (>) or (=) :

1.

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$		
$\frac{1}{5}$	$\frac{1}{5}$			

$$\frac{3}{5} \bigcirc \frac{2}{5}$$

2.

$\frac{1}{3}$	$\frac{1}{3}$	
$\frac{1}{3}$		

$$\frac{2}{3} \bigcirc \frac{1}{3}$$

3.

$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$		
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$			

$$\frac{7}{9} \bigcirc \frac{6}{9}$$

4.

$\frac{1}{6}$	$\frac{1}{6}$				
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$		

$$\frac{2}{6} \bigcirc \frac{4}{6}$$

5.

$\frac{1}{8}$							
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$			

$$\frac{1}{8} \bigcirc \frac{5}{8}$$

6.

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$						
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	

$$\frac{4}{10} \bigcirc \frac{9}{10}$$

7.

$\frac{1}{4}$	$\frac{1}{4}$		
$\frac{1}{4}$			

$$\frac{2}{4} \bigcirc \frac{1}{4}$$

8.

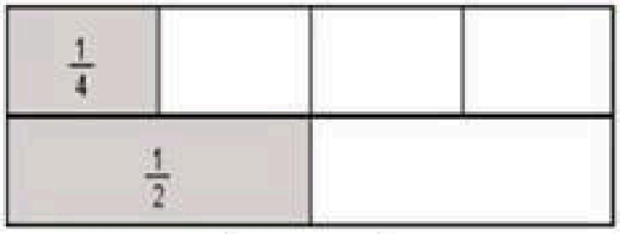
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$			
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$		

$$\frac{4}{7} \bigcirc \frac{5}{7}$$

3) Put (<) , (>) or (=):

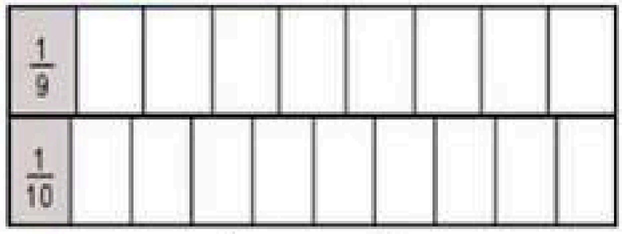


1.



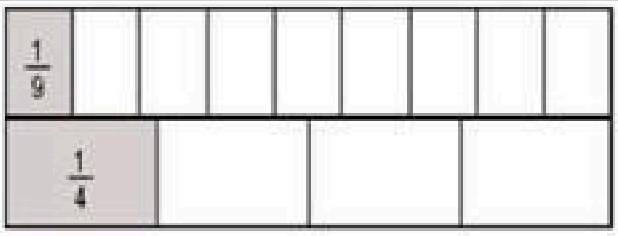
$$\frac{1}{4} \bigcirc \frac{1}{2}$$

2.



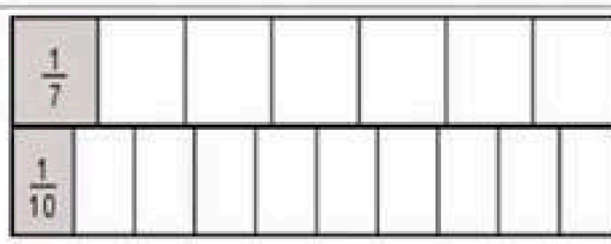
$$\frac{1}{9} \bigcirc \frac{1}{10}$$

3.



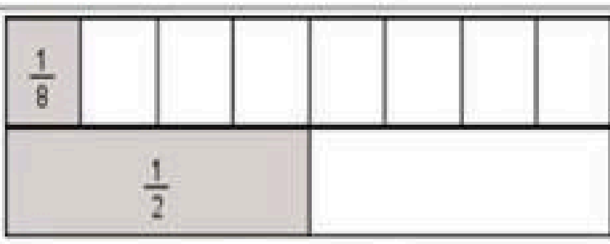
$$\frac{1}{9} \bigcirc \frac{1}{4}$$

4.



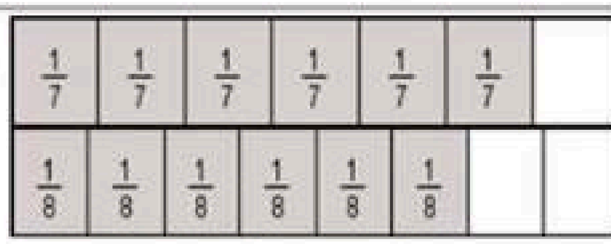
$$\frac{1}{7} \bigcirc \frac{1}{10}$$

5.



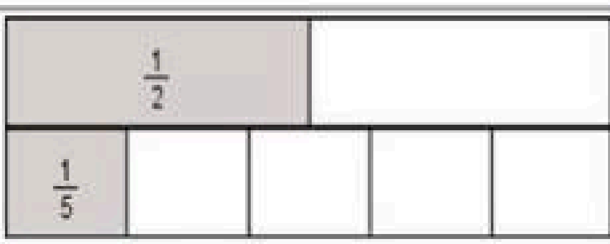
$$\frac{1}{8} \bigcirc \frac{1}{2}$$

6.



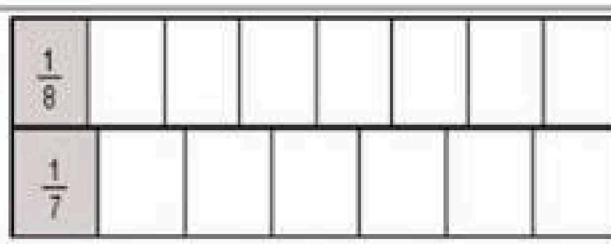
$$\frac{6}{7} \bigcirc \frac{6}{8}$$

7.



$$\frac{1}{2} \bigcirc \frac{1}{5}$$

8.



$$\frac{1}{8} \bigcirc \frac{1}{7}$$



4) Put (<) , (>) or (=) :

1. $1 \bigcirc \frac{4}{10}$	2. $\frac{2}{9} \bigcirc \frac{4}{9}$	3. $\frac{1}{7} \bigcirc \frac{1}{3}$
4. $\frac{1}{9} \bigcirc \frac{1}{2}$	5. $\frac{1}{9} \bigcirc \frac{1}{8}$	6. $\frac{3}{6} \bigcirc \frac{5}{6}$
7. $\frac{2}{5} \bigcirc \frac{2}{6}$	8. $1 \bigcirc \frac{2}{4}$	9. $\frac{1}{5} \bigcirc \frac{3}{5}$
10. $1 \bigcirc \frac{1}{5}$	11. $\frac{1}{8} \bigcirc \frac{1}{3}$	12. $\frac{6}{10} \bigcirc \frac{8}{10}$
13. $\frac{1}{4} \bigcirc \frac{1}{10}$	14. $\frac{1}{3} \bigcirc \frac{2}{3}$	15. $\frac{1}{2} \bigcirc 1$
16. $\frac{3}{7} \bigcirc \frac{4}{7}$	17. $\frac{6}{8} \bigcirc \frac{5}{8}$	18. $\frac{2}{5} \bigcirc \frac{2}{7}$
19. $\frac{1}{4} \bigcirc \frac{1}{2}$	20. $\frac{2}{10} \bigcirc \frac{2}{6}$	21. $\frac{2}{4} \bigcirc \frac{1}{4}$
22. $\frac{1}{8} \bigcirc \frac{1}{4}$	23. $\frac{5}{9} \bigcirc 1$	24. $\frac{4}{6} \bigcirc \frac{5}{6}$
25. $1 \bigcirc \frac{3}{8}$	26. $\frac{4}{6} \bigcirc \frac{4}{7}$	27. $\frac{3}{4} \bigcirc \frac{1}{4}$

5) Compare. Put (<) , (>) or (=) :

a) $\frac{1}{2}$ ...... $\frac{1}{4}$

b) $\frac{6}{10}$ .... $\frac{2}{10}$

c) $\frac{1}{4}$ .... $\frac{1}{9}$

d) $\frac{1}{7}$ .... $\frac{6}{7}$



e) $\frac{1}{8}$ .... $\frac{1}{2}$

f) $\frac{5}{9}$ .... $\frac{3}{9}$

g) $\frac{1}{2}$ .... $\frac{1}{5}$

h) $\frac{1}{7}$ .... $\frac{1}{8}$

i) $\frac{1}{3}$ 1

j) $\frac{5}{8}$ .... $\frac{1}{8}$

k) $\frac{6}{7}$ .... $\frac{6}{8}$

l) $\frac{3}{4}$ .... $\frac{1}{4}$

m) $\frac{8}{8}$ .... $\frac{9}{9}$

n) $\frac{5}{9}$ 1

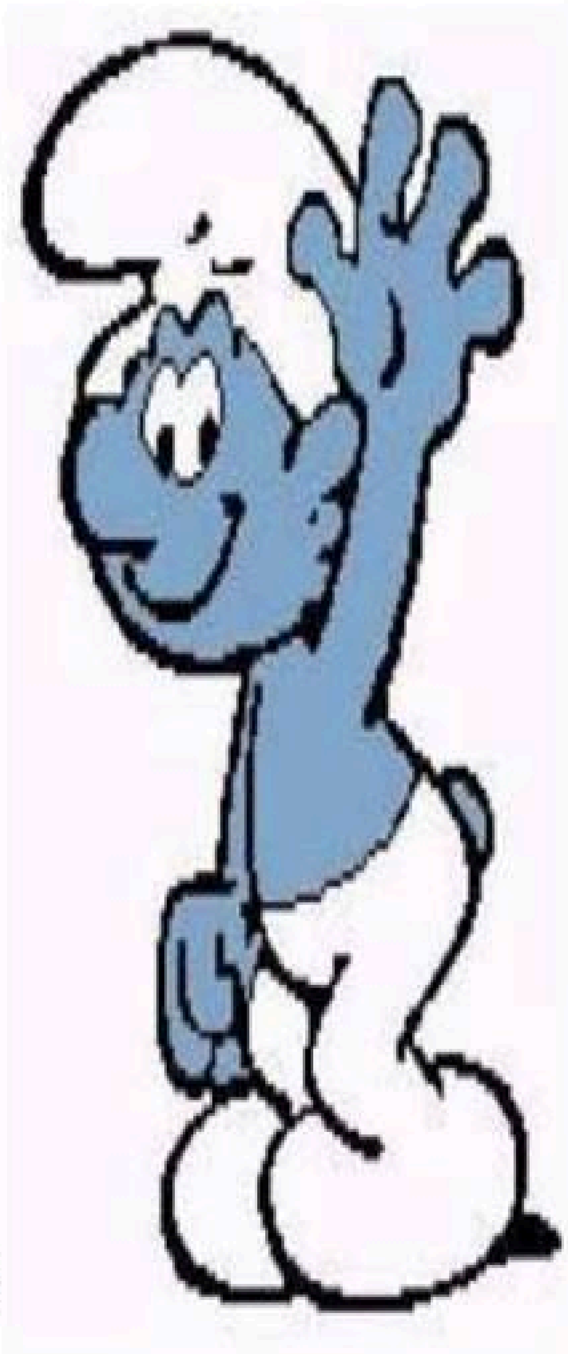
6) Compare. Put (<) , (>) or (=) :

1. $\frac{1}{7}$ 1

2. $\frac{1}{10}$ .... $\frac{1}{4}$

3. $\frac{3}{8}$ .... $\frac{6}{8}$

4. $\frac{1}{8}$ .... $\frac{1}{9}$



5. $\frac{1}{3}$ ...... $\frac{1}{9}$

6. $\frac{5}{9}$ 1

7. $\frac{2}{10}$ .... $\frac{2}{6}$

8. $\frac{3}{7}$ .... $\frac{4}{7}$

9. $\frac{1}{2}$ 1

10. $\frac{1}{4}$ .... $\frac{1}{5}$

11. $\frac{6}{9}$ .... $\frac{8}{9}$

12. $\frac{1}{3}$ .... $\frac{1}{7}$

13. $\frac{4}{6}$ .... $\frac{5}{6}$

14. $\frac{1}{8}$ .... $\frac{1}{2}$

15. $\frac{2}{9}$ .... $\frac{4}{9}$

16. $\frac{3}{8}$ 1

17. $\frac{7}{7}$ 1

18. $\frac{4}{4}$ .... $\frac{12}{12}$



Ordering fractions

Work sheet [17]

1) Order the fractions in an ascending order :

a) 1 , $\frac{3}{7}$, $\frac{5}{7}$, $\frac{1}{7}$

The order : ……………………………………………………

b) $\frac{1}{2}$, $\frac{1}{5}$, $\frac{1}{7}$, $\frac{1}{4}$

The order : ……………………………………………………

c) $\frac{7}{10}$ $\frac{4}{10}$, $\frac{2}{10}$, $\frac{6}{10}$,

The order : ……………………………………………………

d) $\frac{1}{6}$ $\frac{1}{9}$, $\frac{1}{3}$, , 1

The order : ……………………………………………………

e) $\frac{2}{5}$, 1 , $\frac{4}{5}$, $\frac{1}{5}$

The order : ……………………………………………………

2) Order the fractions in a descending order :



a) $\frac{1}{7}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{3}$

The order : ....

b) $\frac{2}{6}$, $\frac{2}{4}$, 1

The order : ....

c) $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{9}$

The order : ....

d) $\frac{1}{7}$, $\frac{5}{7}$, $\frac{3}{7}$, 1

The order : ....

e) $\frac{2}{5}$, $\frac{1}{2}$, $\frac{7}{10}$, $\frac{1}{3}$

The order : ....

Adding the fractions

Work sheet [19]



Find the sum:

a. $\frac{1}{4} + \frac{3}{4} =$ ....

b. $\frac{1}{2} + \frac{1}{2} =$ ....

c. $\frac{1}{9} + \frac{5}{9} =$ ....

d. $\frac{3}{7} + \frac{4}{7} =$ ....

e. $\frac{2}{6} + \frac{4}{6} =$ ....

f. $\frac{2}{5} + \frac{2}{5} =$ ....

g. $\frac{1}{3} + \frac{1}{3} =$ ....

h. $\frac{1}{8} + \frac{7}{8} =$ ....

i. $\frac{1}{6} + \frac{4}{6} =$ ....

j. $\frac{6}{9} + \frac{2}{9} =$ ....

k. $\frac{4}{5} + \frac{1}{5} =$ ....

l. $\frac{3}{8} + \frac{4}{8} =$ ....

m. $\frac{2}{3} + \frac{1}{3} =$ ....

n. $\frac{5}{9} + \frac{3}{9} =$ ....

o. $\frac{1}{4} + \frac{1}{4} =$ ....

p. $\frac{3}{9} + \frac{6}{9} =$ ....



Subtracting the fractions

Work sheet [20]

1)Find the difference :

a. $\frac{4}{8} - \frac{2}{8}$ = ...

b. $\frac{2}{4} - \frac{1}{4}$ = ...

c. $\frac{2}{3} - \frac{1}{3}$ = ...

d. $\frac{6}{7} - \frac{1}{7}$ = ...

e. $\frac{3}{4} - \frac{1}{4}$ = ...

f. $\frac{4}{5} - \frac{1}{5}$ = ...

g. $\frac{5}{9} - \frac{3}{9}$ = ...

h. $\frac{3}{6} - \frac{2}{6}$ = ...

i. $\frac{4}{7} - \frac{1}{7}$ = ...

j. $\frac{4}{8} - \frac{3}{8}$ = ...

k. $\frac{5}{5} - \frac{2}{5}$ = ...

l. $\frac{7}{8} - \frac{2}{8}$ = ...

m. $\frac{2}{3} - \frac{1}{3}$ = ...

n. $1 - \frac{5}{9}$ = ...

o. $1 - \frac{1}{4}$ = ...

p. $\frac{6}{9} - \frac{3}{9}$ = ...

Work sheet [2 1]

1) Complete :

$\frac{6}{7} + \frac{1}{7} =$	$\frac{3}{6} - \frac{2}{6} =$	$\frac{4}{9} + \frac{4}{9} =$	$\frac{2}{5} - \frac{1}{5} =$
$\frac{2}{3} - \frac{1}{3} =$	$\frac{1}{2} + \frac{1}{2} =$	$\frac{7}{8} + \frac{1}{8} =$	$\frac{2}{4} - \frac{1}{4} =$
$\frac{5}{6} + \frac{1}{6} =$	$\frac{4}{5} - \frac{1}{5} =$	$\frac{4}{5} + \frac{1}{5} =$	$\frac{8}{9} - \frac{1}{9} =$

3) Find the missing :

a. ------ - $\frac{2}{3} = \frac{1}{3}$

b. $\frac{6}{7}$ - .... = $\frac{1}{7}$

c. .... - $\frac{2}{9} = \frac{5}{9}$

d. $\frac{1}{5}$ + ... = $\frac{4}{5}$

e. $\frac{3}{4}$ - .... = $\frac{1}{4}$

f. 1 - .... = $\frac{1}{2}$

g. $\frac{5}{9}$ - .... = $\frac{3}{9}$

h. .... - $\frac{2}{6} = \frac{3}{6}$



Story problems

1) Yara bought a pizza divided into 8 equal parts , she ate 4 pieces and gave her sister the remaining .

Yara ate $\frac{\dots\dots}{8}$

Her sister ate $\frac{\dots\dots}{8}$

2) What is the fraction that gives $\frac{4}{7}$ if $\frac{1}{7}$ is added to it ?

……………………………………………………………………………….

3) What is the fraction that gives one if $\frac{3}{5}$ is added to it ?

……………………………………………………………………………….

4) What is the fraction that gives $\frac{1}{4}$ if subtracted from $\frac{3}{4}$?

……………………………………………………………………………….

5) $1 = \frac{3}{3}$ = ……… = ………… = ……………

6) How many thirds are there in one whole ?

……………………………………………………………….

7) How many thirds are there in one whole ?

……………………………………………………………….

8) How many eighths are there in one whole ?

……………………………………………………………….

9) Complete each of the following :

a) There are …….. thirds in one whole.

b) $\frac{9}{27} = \frac{1}{....}$

c) $\frac{15}{25} = \frac{.....}{5}$

d) $\frac{12}{18} = \frac{2}{........}$

e) $\frac{35}{45} = \frac{.......}{.......}$

f) $\frac{3}{11} - \frac{1}{11} =$ …………..

g) $\frac{1}{7} + \frac{4}{7} =$……………..

h) $1 - \frac{1}{2} =$ ……………..

i) …….. - $\frac{3}{4} = \frac{1}{4}$



j) $\frac{5}{12}$ + …… $= \frac{9}{12}$

k) …… + $\frac{3}{10} = 1$

l) $\frac{4}{7}$ - …… $= \frac{1}{7}$

Test 1



1) Complete:

a) Two fifths is write as $\frac{\dots\dots\dots}{\dots\dots\dots}$

b) $1 = \frac{\dots\dots}{7} = \frac{4}{\dots\dots} = \frac{9}{\dots\dots}$

c) $\frac{3}{6} = \frac{12}{\dots\dots}$

d) $\frac{6}{9} = \frac{\dots\dots}{27}$

e) $\frac{8}{9} = \frac{24}{\dots\dots} = \frac{\dots\dots}{36}$

f) $\frac{3}{10} + \frac{7}{10} = \frac{\dots\dots}{\dots\dots} = \dots\dots$

g) $1 - \frac{7}{9} = \frac{\dots\dots}{\dots\dots}$



h) $\frac{8}{10} + \dots\dots = 1$

i) $\dots\dots\dots - \frac{3}{7} = \frac{3}{7}$

2) Arrange in ascending order:

$\frac{1}{2}$, $\frac{1}{7}$, $\frac{1}{9}$, $\frac{1}{8}$, $\frac{1}{5}$

……… , ……… , ……… , ……… , ………



3) Arrange in descending order:

$\frac{3}{7}$, $\frac{2}{7}$, 1 , $\frac{4}{7}$, $\frac{5}{7}$

……… , ……… , ……… , ……… , ………

4) Choose between brackets:

a) $\frac{1}{12}$ ——— $\frac{4}{12}$ (> , < , =)

b) $\frac{5}{6}$ = ……… $\left(\frac{20}{30} , \frac{15}{24} , \frac{30}{36} , \frac{15}{30} \right)$

c) Two tenths = ……….. $\left(\frac{1}{8} , \frac{1}{5} , \frac{1}{7} \right)$

d) 10 × ……. = 440 (440 , 4400 , 44)

e) (600 + 40 + 8) ÷ 2 = ……… (342 – 324 – 234)

Test 2

1)Complete:

a) 9993 ÷ 3 = ……

b) 15pounds= ……..piastres

c) The perimeter of triangle its sides are 3 , 4 , 2 is……….

d) 4563 × 8 = ……..

e) 93 × …… = 93000

f) The even number between 23 and 25 is …………

g) 421 hundreds = ……….tens

2) Arrange in ascending order:

$\frac{2}{3}$, $\frac{2}{7}$, $\frac{2}{6}$, $\frac{2}{4}$, $\frac{2}{5}$

……… , ……… , ……… , ……… , ………



3)Find:

f) $\frac{4}{9} + \frac{2}{9} = \frac{\dots\dots\dots}{\dots\dots\dots}$

g) $1 - \frac{5}{8} = \frac{\dots\dots\dots}{\dots\dots\dots}$

h) $\frac{8}{12} + \dots\dots\dots = 1$

Test 2

1)Complete:

a) 9993 ÷ 3 = ……

b) 15pounds= ……..piastres

c) The perimeter of triangle its sides are 3 , 4 , 2 is……….

d) 4563 × 8 = ……..

e) 93 × …… = 93000

f) The even number between 23 and 25 is …………

g) 421 hundreds = ……….tens

2) Arrange in ascending order:

$\frac{2}{3}$, $\frac{2}{7}$, $\frac{2}{6}$, $\frac{2}{4}$, $\frac{2}{5}$

……… , ……… , ……… , ……… , ………



3)Find:

f) $\frac{4}{9} + \frac{2}{9} = \frac{\dots\dots\dots}{\dots\dots\dots}$

g) $1 - \frac{5}{8} = \frac{\dots\dots\dots}{\dots\dots\dots}$

h) $\frac{8}{12} + \dots\dots\dots = 1$



Measuring Temperature

- ✓ The temperature is to know if something is ' HOT ' or ' COLD '.
- ✓ To measure temperature we use the ' THERMOMETER '.
- ✓ The temperature is measured in units ' DEGREE CELSIUS ' (°C).

Notice the following :



- ✓ Normal body temperature is : 37 °C.
- ✓ Cold day temperature is : 10 °C.
- ✓ Hot day temperature is : 40 °C.
- ✓ Room temperature is : 20 °C.
- ✓ Boiling point of water is : 100 °C.
- ✓ Freezing point of water is : 0 °C.
- ✓ The external temperature at which you would not feel hot or cold is 24 °C , 25 °C or 26 °C .

☒ From the previous we notice that when the temperature is getting higher it means that it's getting hotter and when the temperature is getting lower it means that it's getting colder.

☒ If the body temperature gets higher or lower than 37 °C that is an indication of illness (sickness) so we have to see a doctor.



☒

Work sheet [22]

A) Complete :



1) We use the ………………… to measure temperature.
2) The unit of measuring temperature is ………………..
3) The normal human temperature is ……………………
4) The temperature at which water boils is ……………..
5) The temperature at which water becomes ice is …………..
6) The temperature of the hot day is ……………………..
7) The temperature of the cold day is ……………………..
8) The thermometer is used to measure ………………….
9) The temperature where you can't feel hot or cold is …………………..
10) If a person temperature is 39 °C it means that this person is …………..



B) Weather conditions :

1) In Egypt the higher temperature was ……… and the lowest temperature was ………..
2) In December we prefer to go to ……………………….. in Egypt .
3) The ideal temperature is ……………
4) The Arab countries which the temperatures are the closest to those in Egypt are

……………….. , ………………….. , ………………….. , …………………..

Work sheet [23]



A) Change :

a) 3 km = ... m.

b) 7 km = ... m.

c) 12 km = ... m.

d) 6 m = ... cm.

e) 45 m = ... cm.

f) 4 km = ... m = ... cm.

g) 13 km = ... m = ... cm.

h) $6\frac{1}{2}$ m = ...+ .... = ... cm.

i) $2\frac{1}{4}$ m = ...+ .... = ... cm.

j) $5\frac{1}{4}$ km = ...+ .... = ... m.

k) 7 km = ... m.

B) Change :

a) 3250 m = ... km and .... m.

b) 7500 m = ... km and .... m.

c) 9250 m = ... km and .... m.

d) 2800 m = ... km and .... m.

e) 650 cm = ... m and .... cm.

f) 425 cm = ... m and .... cm.

g) 875 cm = ... m and .... cm.

h) 176 cm = ... m and .... cm.

C) Choose the suitable units (Km. , m., cm.) :

a) The distance between Cairo and Paris ....



b) The length of the wall of the classroom ....

c) The length of the book...................................



d) The perimeter of the playground ....

e)The height of a child ....



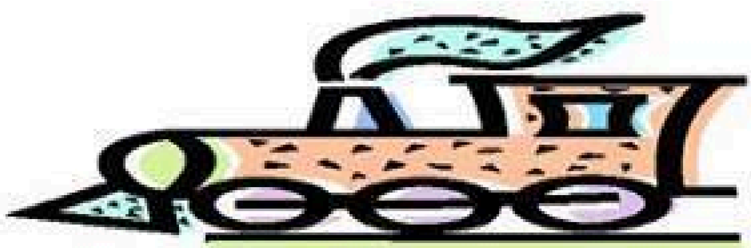
f) The height of the Cairo Tower ....



g) The length of the pencil ....

h) The length of the swimming pool ....

i) The distance between Cairo and Aswan........................ .



C) Choose the suitable units (Km. , m., cm.) :

a) The distance between Cairo and Paris ....



b) The length of the wall of the classroom ....

c) The length of the book..................................



d) The perimeter of the playground ....

e)The height of a child ....



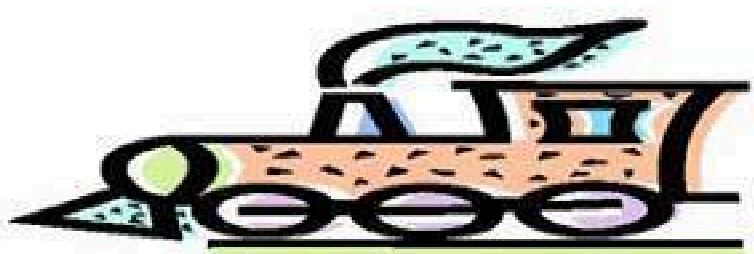
f) The height of the Cairo Tower ....



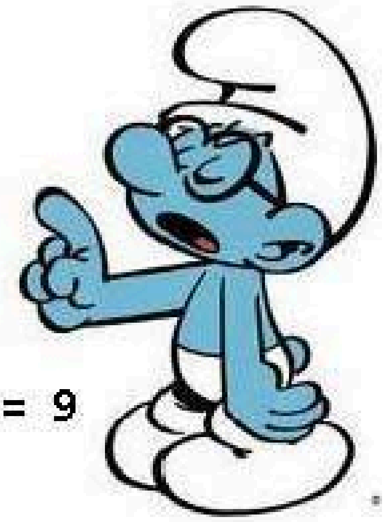
g) The length of the pencil ....

h) The length of the swimming pool ....

i) The distance between Cairo and Aswan........................ .



Try yourself in the following.



Complete:

a) ……. ÷ 8 = 3 , 81 ÷ …… = 9

b) $\frac{45}{5}$ = ……… , ……÷ 5 = 7

c) 24 ÷ 6= ….. , 54 ÷ 9 = ……..

d) $\frac{40}{8}$ = ………… , $\frac{24}{3}$ = ………………

e) $\frac{21}{7}$ = …………. , $\frac{90}{9}$ = …………….

f) $\frac{72}{8}$ = …………. , $\frac{25}{5}$ =……………



Measuring Weight

The *gram* (gm) is used to measure ***light things*** like a ring.

The *kilogram* (kg) is used to measure a ***heavier things*** like a fruits.



Notice the following :

1 kg. = 1000 gm.

$\frac{1}{2}$ kg. = 500 gm.

$\frac{1}{4}$ kg. = 250 gm.



Work sheet [24]

1) Complete :

a) 5 kg. = ……………………… gm.

b) 25 kg . = …………………….. gm.

c) 6000 gm. = …………………… kg.

d) 8000 gm. = ……………………kg.

e) 3500 gm. = …………… kg and ………. gm.

f) …………. gm.= 4 kg. and 265 gm.

g) 7500 gm. = …………… kg and ………. gm.

h) ………….gm.= 2 kg. and 25 gm.

i) $6\frac{1}{2}$ kg . = …….. + ……… = ……. Gm

j) 3250 gm. = ………. kg.



k) $5\frac{1}{4}$ kg = …………….+ …………. = ……......... gm.

l) 7 kg = ……......... gm.

m) 3250 gm = ……………… kg.and ………… gm

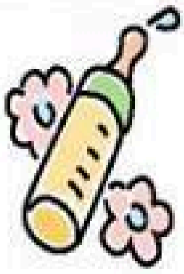
n) 7500 gm = ……………… kg.and ………… gm

o) 9750 m = ……………… kg and …………… gm.

p) 2800 m = ……………… kg and …………… gm.

q) 77 kg = ……......... gm.

2) Choose the suitable unit of weight (kilogram , gram)





a) A bottle of milk ....

b) A golden ring ....

c) Meat ....

d) Loaf of bread ....

e) Fruits ....



3) Underline the suitable weight :

a) The weight of jewelers .... [10 gm. or 20 kg.]

b) The weight of a hen .... [2kg or 20 gm.]

c) The weight of a cat .... [500 kg. or 3 kg.]

4) The price of a gram of silver is 4 pounds then the price of

1 kg = ...pounds .



5) put the suitable sign (< , > , =):

a) 2 gm. .... 1 kg.

b) 3000 gm .... 3kg.

c) 790 gm .... 8 kg.

The ordinal numbers corresponding the months :

1st January

2nd February

3rd March

4th April

5th May

6th June

7th July

8th August

9th September

10th October

11th November

12th December



Work sheet [25]

1) Complete:

a)How many months are there in a year ? ....

b) State the months of the year :

....

....

c) The month after January is ....

d) The month after March is ....

e) The month before November is ....

f) The month before January is ....

g) The month before June is ....

h) The month before April is ....



i) The month between June and August ....

j) The month between February and April is ....

k) The month between October and December is ....

l) The month after December is ....

m) The 9th month of the year is ....

n) The 6th month of the year is ....

o) The last month of the year is ....



2) Put (✓) or (×) :

a) February is the first month of the year ( )

b) The month between May and July is June ( )

c) August is the 11th month of the year ( )

d) December is the last month of the year ( )

e) The month before September is October ( )

f) March is the 3rd month of the year ( )





You have to Study hard

1 year = 12 months

$\frac{1}{2}$ year = 6 months

$\frac{1}{4}$ year = 3 months

2 years = 24 months (2 X 12)

3 years = 36 months (3 X 12)



***Ex:* (*Use this rule to change from year to months*)**

a) 1 year and 3 months = ...

(1 X 12) + 3 = 12 + 3 = 15 months.



b) $2\frac{1}{2}$ years = ...

(2 X 12) + 6 = 24 + 6 = 30 months .

Complete :

a) 1 year = ...months

b) 2 years = ... months

c) $1\frac{1}{2}$ year = ... months

d) $3\frac{1}{4}$ years = ... months

e) 2 years , 4 months = ... months

f) 5 years & 3 months = ... months

g) $2\frac{1}{2}$ years = ... months

h) 3 months & 1year = ... months

i) $4\frac{1}{2}$ year = ... months

j) $5\frac{1}{4}$ years = ... months



Use this rule to change from

months to years



28 months = ……………years , ……………...months

28

\- 12 ⟶ 1 year

———

16

\- 12 ⟶ 2 years

———

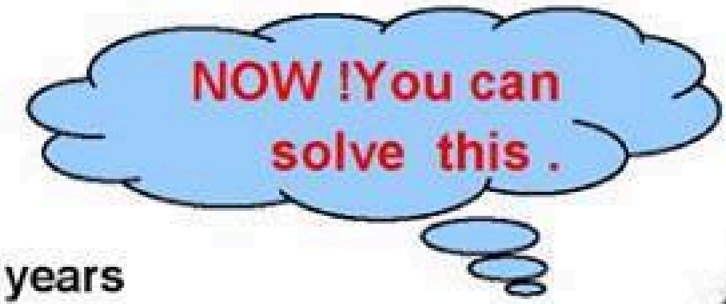
4 months



Remainder

Subtract (12) from the number you have because (1 year = 12 months) then count how many years do you subtract and the remainder is the months .

1)Complete :



a) 36 months =......... years

b) 24 months =......... years

c) 6 months =.........years

d) 3 months =........years



2) Complete :

a) $4\frac{1}{2}$ years =.............................. months .

b) 2 years and 8 months =.....................months .

c) 36 months =..............years ,...............months .

d) 29 months =..............years ,.............months .

e) 3 and quarter year =........................months .

3) Put > , < or = :



a) $2\frac{1}{2}$ years .... 24 months

b) 1 year .... 16 months

c) $3\frac{1}{4}$ years .... 35 months

d) 2 years .... 25 months

e) 31 months .... 3 years , 4 months

f) 40 months .... 3 years ,4 months

g) 24 months .... 2 years , 2 months



Weeks & days



Week and days

There are 7 months in a week :

Sunday	Monday	Tuesday	Wednesday
Thursday	Friday	Saturday	



Let's learn the order of each day

The ordinal numbers corresponding the days :

1st Sunday

2nd Monday

3rd Tuesday

4th Wednesday

5th Thursday

6th Friday

7th Saturday

Work sheet [26]

1) Write the day before :



a) Monday ....

b) Thursday ....

c) Wednesday ....

d) Tuesday ....

e) Saturday ....

2) Write the day after



a) Friday ⟶ ....

b) Sunday ⟶ ....

c) Tuesday ⟶ ....

d) Saturday ⟶ ....

e) Wednesday ⟶ ....



Weeks

Rules

1 week = 7 days

2 weeks = 14 days (2 x 7 = 14)

3 weeks = 21 days (3 x 7 = 21)

4 weeks = 28 days (4 x 7 = 28)

5 weeks = 35 days (5 x 7 = 35)

Use this rule to change from weeks to days

Ex.: 2 weeks and 3 days =..........

(2 x 7) + 3 = 14 + 3 = 17 days



Work sheet [27]

1- The day after :-

Sunday , ... , ... , Wednesday, ...

.... , ...

2) Complete :-

a) 1 week , 2 days = ... days.

b) 4 weeks = ... days.

c) 1 week , 4 days = ... days

d) 2 weeks , day = ... days.

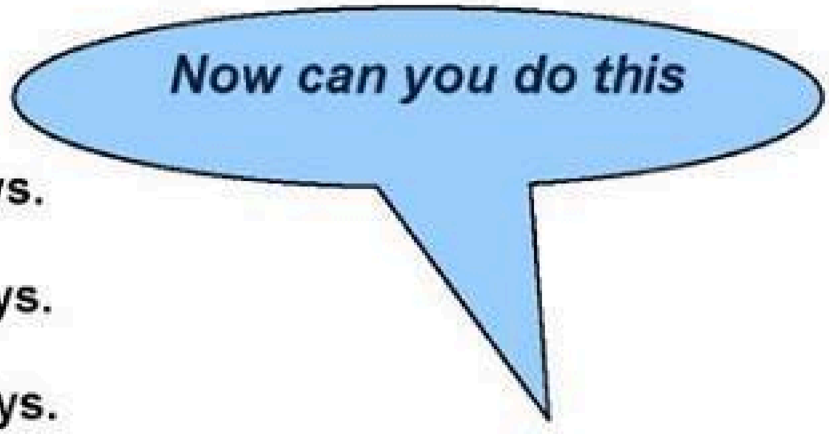
e) 3 weeks and 6 days = ... days.

f) 4 weeks and 4 days = ... days.

g) 3 weeks = ...days.

h) 5 weeks = ...days

3) Put > , < or = :



a) 2 weeks , 2 days ☐ 24 days.

b) A week , 6 days ☐ 18 days.

c) 3 weeks , 9 days ☐ 29 days.

d) 4 weeks , 5 days ☐ 40 days.

e) 5 weeks , a day ☐ 37 days.



4) Complete:

a) 14 days = ... weeks.

b) 21 days = ... weeks.

c) 35 days =........................weeks.

d) 49 days =........................weeks.

e) 42 days = ...weeks.

f) 56 days = ... weeks.

3) How many days are there in 4 weeks ?

....



Unit test

1) Complete :

a) The months of the year are.................................

....

....

b) The third month is ....

c) The first month is .... while the last month is..............

d) The months that have 30 days are...

e) The months that have 31 days are ....

f) February has .... days or .... days.

g) The number of days in this year (2008) =

(31 x ......) + (30 x ......) + ... =

.... + ... + ... = ... days

h) When February has .... days the year is called a leap year .

i) Omar celebrates only once every 4 years because his birthday is ....

j) There are .... days in a week.

K) The days of the week are ....

....

l) .... comes after Monday , while .... is between Friday and Sunday.

Days , hours , and minuets



1 day = 24 hours

2 days = 48 hours

1 hour = 60 minuets

Work sheet [28]

1) Find :

a) How many hours are there in 2 days ?

……………………………………………………..

b) How many minutes are there in one and half hour ?

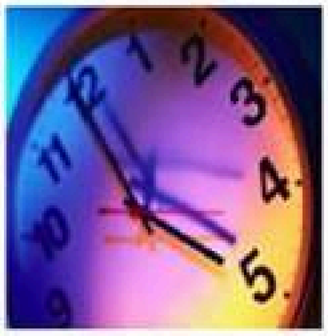
……………………………………………………..

c) How many hours are there in 5 days ?

………………………………………………………………….

d) How many minutes are there in a day ?

………………………………………………………………….



2) Complete

34 hours = 1 day and ……………………….hours

70 minutes = one hour and ……………..minutes

48 hours = ……………… days

600 minutes = ……………………….hours

3) Arrange as ascending order

a. 50 hours , one day and 7 hours , 2 days.

……………………………………………………………………………………

b. 4 days , 40 hours , 1 week , half a week.

……………………………………………………………………………………

c. 30 hours , 2 days , 600 min .

……………………………………………………………………………………



4) Complete :

a) There are ……………..hours in 2 days .

b) There are ……………. Minutes in 10 hours .

c) There are ………………minutes in half an hour.

d) There are …………..hours in 10 days .

e) There are ………………minutes in 2 hours and half .

f) There are ………. minutes a day



Days and hours

Work sheet [29]

Notice:



1 day = 24 hours

$\frac{1}{2}$ day = 12 hours

$\frac{1}{4}$ day = 6 hours

2 days = 48 hours.

1- Complete:

a) 1 day and half = …………………….. hours.

b) A day and 3 hours = …………………….. hours.

c) 1 day and 18 hours = …………………….. hours.

d) A day and 20 hours = …………………… hours.

e) 2 days and 2 hours = …………………….. hours.

f) 2 days and 13 hours = …………………… hours.

g) $1\frac{1}{2}$ day = ……………………………….. hours.

h) $2\frac{1}{2}$ day = ……………………………… hours.

THE SMURFS

Hours and minutes

Notice:



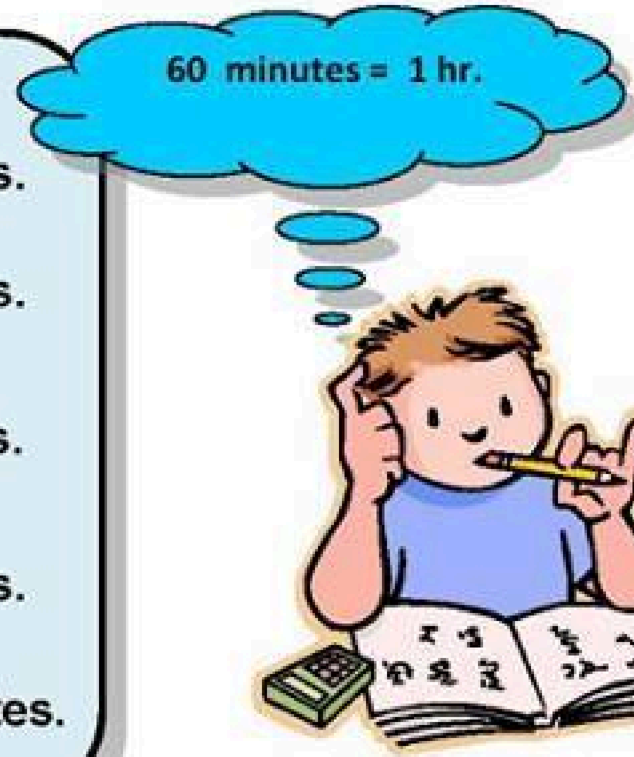
1 hour = 60 minutes.

$\frac{1}{2}$ hour = 30 minutes.

$\frac{1}{3}$ hour = 20 minutes.

$\frac{1}{4}$ hour = 15 minutes.

2 hours = 120 minutes.



Work sheet [30]

1) Complete:

a) One hour and 40 minutes = ... + ... = ... minutes.

b) An hour and 10 minutes = ... + ... = ... minutes.

c) One and half hour = ... + ... = ... minutes.

d) One and quarter hour = ... + ... = ... minutes.

e) Two hours = ... minutes.

f) One hour and one minute = ... + ... = ... minutes.



2) Arrange in an ascending order :

a) Half hour , 10 minutes , quarter hour , 25 minutes.

……………… , ……………… , ………………… , ………………

b) 6 hours , one day , 11 hours , half day.

…………… , ………… , ………… , …………



3) Put > , < or = :

a. 120 minutes ☐ Two hours.

b. Half hour ☐ 35 minutes.

c. 36 hours ☐ One day and half.

d. $\frac{1}{4}$ hour ☐ $\frac{1}{3}$ hour.



4) Choose the correct answer :

a. Half an hour = …………… minutes. (30 – 70 – 25)

b. Two hours = ………………….. minutes. (120 – 48 – 36)

c. One hour & 55 minutes = …………. minutes (79 – 95 – 115)

d. $1\frac{1}{3}$ hour = …………… minutes. (48 – 80 – 79)

e. 120 minutes = ………. hours. (4 – 5 – 2)

5) Arrange the following fractions in an ascending order:

a) 3 Weeks , 100days , 1000 days.

The order is ……… , ……. , ……… , ………



b) 4 days , 40 hours , 1 week , half of a week.

The order is ……… , ……. , ……… , ………

c)15 months , 1 year , 80 days , 16 days.

The order is ……… , ……. , ……… , ………



4) Choose the correct answer :

a. Half an hour = ... minutes. (30 – 70 – 25)

b. Two hours = ... minutes. (120 – 48 – 36)

c. One hour & 55 minutes = ... minutes (79 – 95 – 115)

d. $1\frac{1}{3}$ hour = ... minutes. (48 – 80 – 79)

e. 120 minutes = ... hours. (4 – 5 – 2)

5) Arrange the following fractions in an ascending order:

a) 3 Weeks , 100days , 1000 days.

The order is ……… , ……. , ……… , ………



b) 4 days , 40 hours , 1 week , half of a week.

The order is ……… , ……. , ……… , ………

c)15 months , 1 year , 80 days , 16 days.

The order is ……… , ……. , ……… , ………



Unit test

1)Complete:

a. Quarter of a year = ... months.

b. 6 months = ...year .

c. A year and 7 months = ... months.

d. 100 minutes = one hour and ....minutes.

e. 1 hour + 40 minutes = ... minutes.

f. 3 pounds and a half = ... P.T

g. One day,6 hours = ... hours.

h. Half an hour + 20 minutes = ... minutes.

i. The day just before Wednesday is ....

j. December is the month number .... of the year.

k. March is the month number .... of the year.

l. 2 metres , 3 cm = ... + ... = ... cm

m. 105 cm = ... m , ... cm

n. 125 cm = ... m.

o. $5\frac{1}{2}$ L.E = ... P.T .

p. Half a day , 8 hours = ………….. hours.

q. 28 days = …………… weeks.

r. 3 weeks , 5 days = ……………… days.

s. $2\frac{1}{2}$ years = …………… months , ………… years.

t. One hour and …………. minutes = 61 minutes.

u. One hour and third minute = …………… minutes.

v. One day and 14 hours = ………….. hours.

w. 2 hours = ……………… minutes.

x. 2 days = ……………… hours.

2) Put > , < or = :



a. 3 x 4 ☐ 2 x 6

b. 6 + 6 + 6 ☐ 6 x 6

c. 17 days ☐ 1 week , 7 days

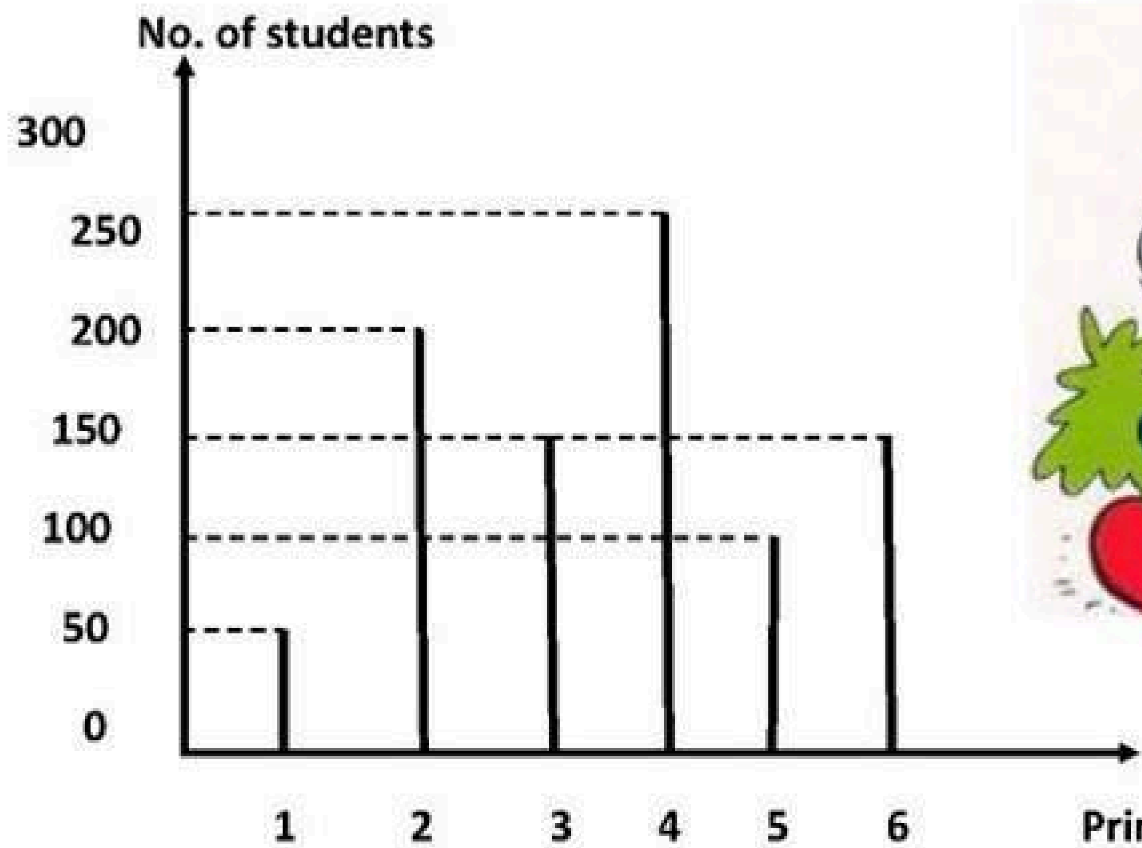
d. 6 + 22 ☐ 4 x 7

e. 2 hours ☐ 102 minutes.

Representing Data

1) The opposite figure represents the number of students in the primary stage , complete the table

The grades	Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6
Number of students	....	....	....	....	....	....





1) In which grade the number of the students is the smallest ?...............

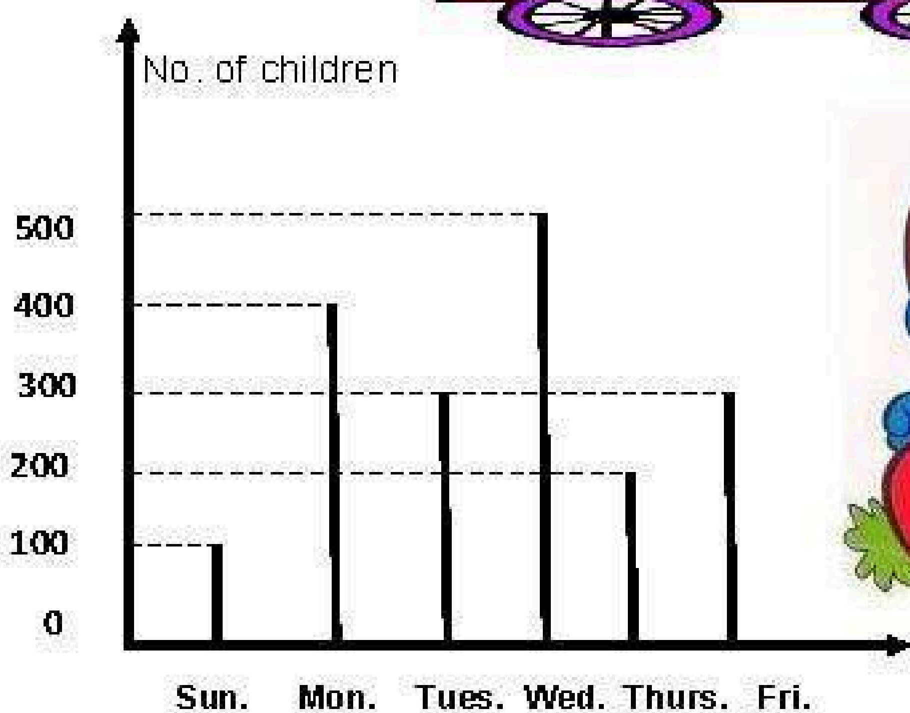
2) The greatest number of students are in grade ....

3) In which grade the number of the students are similar ?...............

2) The following graph shows the number of children were vaccinated in one week.

The days	Sun.	Mon.	Tues.	Wed.	Thur.	Fri.
Number of children	....	....	....	....	....	....



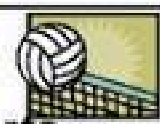
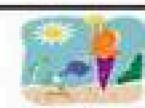


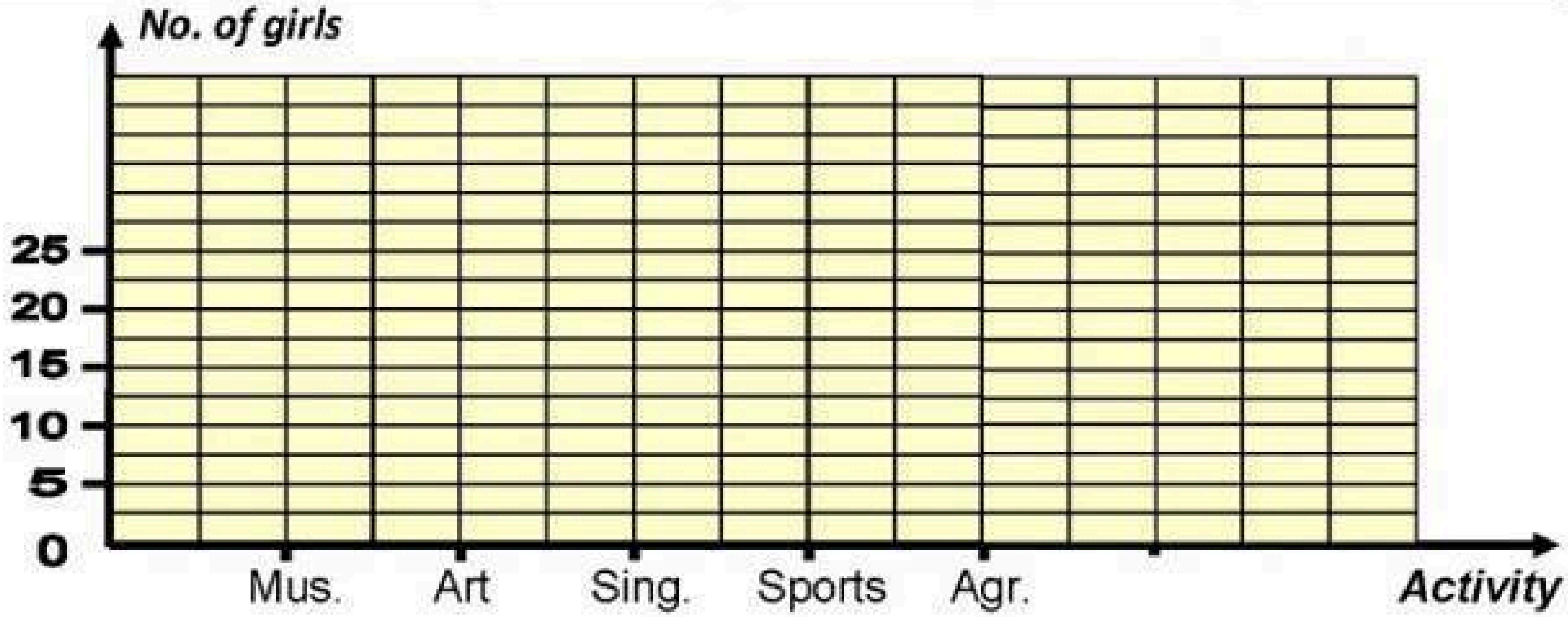


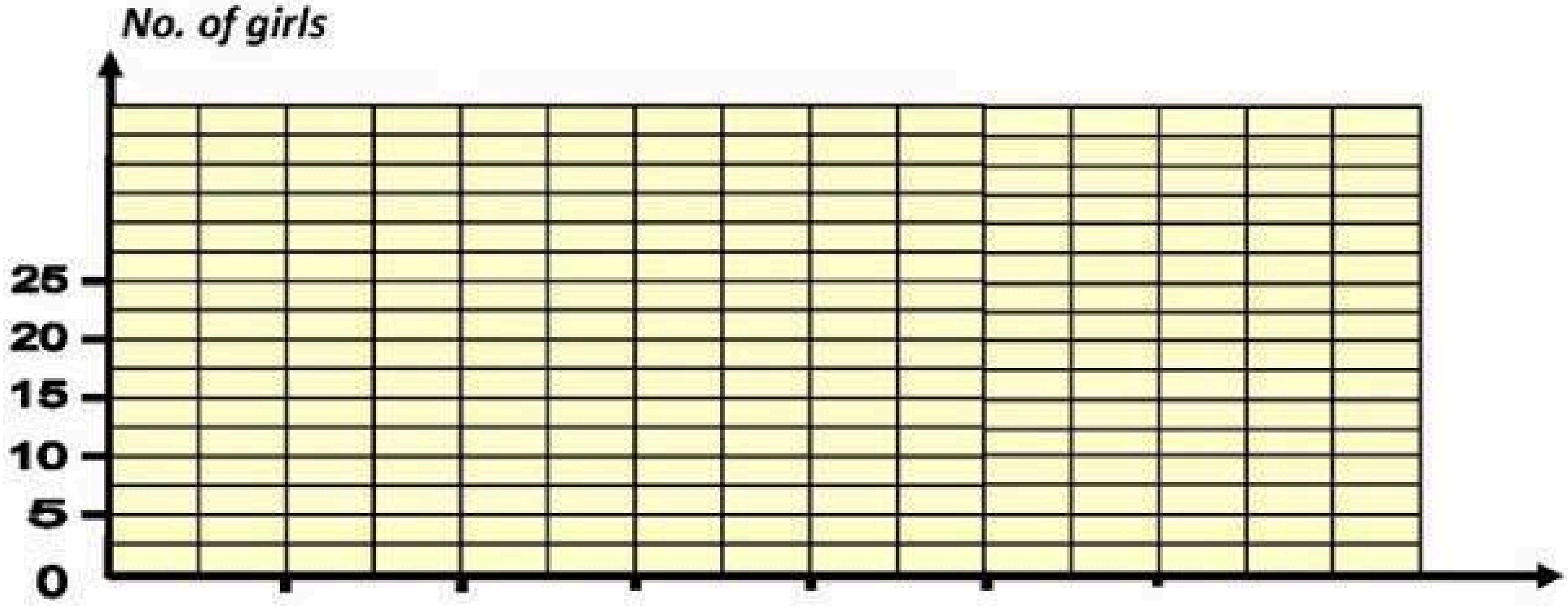
3) The number of girls who joined different activities in the school .

Represent these Data :

a) by a line graph . b) by a broken line graph.

Activity	 music	 art	 Singing	 sports	 agriculture
No.f girls	15	20	10	25	5







Probability

Certain | possible | impossible

Certain (Sure) When it is certain happen we say that the probability = 1

impossible When it is certain impossible we say that the probability=0

possible When it is possible happen we say that the probability = a fraction between (0 and 1)

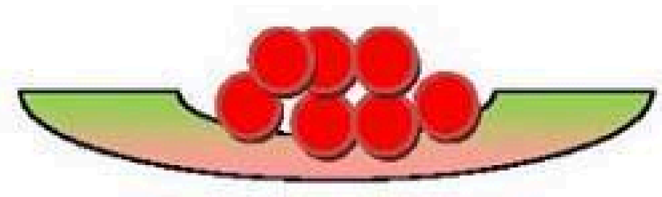
Complete using Certain , impossible , or possible

1) it is .... that the sun will rise in the morning .

2) it is .... that it rains money .

3) it is .... that there is a man 5cm height .

If someone drew one ball from the container containing 7 red balls only the "Probability"

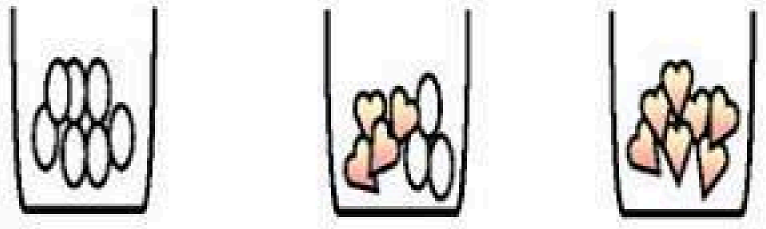


1) That the drawn ball is <u>certain</u> red

2) That the drawn ball is <u>impossible</u> to be blue

A. Complete :





First Second Third

The first container :

1) It is certain that the shape drawn will be ……………

2) It is impossible that the shape drawn will be ……………

3) The probability to be circle = ……& The probability to be heart = ……….

The second container :

1) It is possible that the shape drawn will be ……………

2) It is also possible that the shape drawn will be ……………

3) It is impossible that the shape drawn will be ……………

4) The probability to be circle = …….. & The probability to be heart = ……….

and the probability to be square = …………

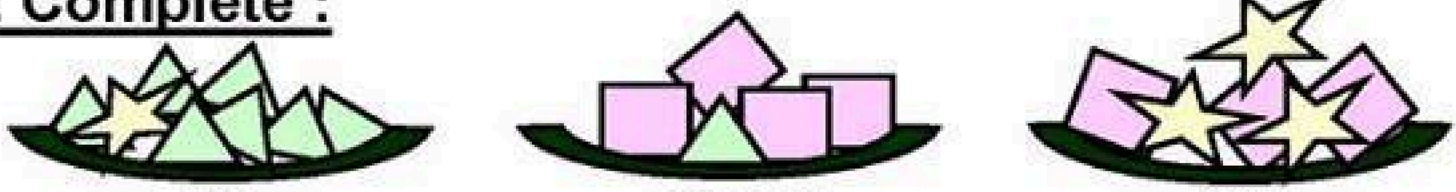
The third container :

1) It is certain that the shape drawn will be ……………

2) It is impossible that the shape drawn will be ……………

3) The probability to be heart = ………. and the probability to be square = ……….

B. Complete :



First Second Third

Using great , moderate , weak or none :

1) It is possible for the drawn shape in the first container to be star ....

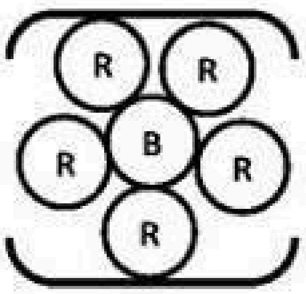
2) It is possible for the drawn shape in the second container to be square ....

3) It is possible for the drawn ball in the third container to be star ....

4) It is possible for the drawn ball in the third container to be triangle ....

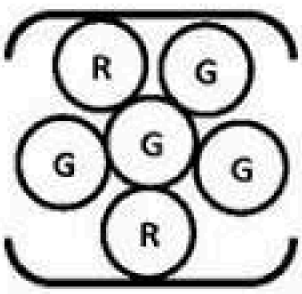
C. Knowing that the colors of the balls are as the following :

R = red B = black G = green



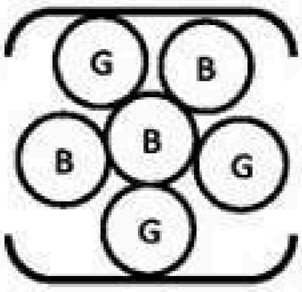
The probability of the drawn ball is being red is $\frac{5}{6}$

The probability of the drawn ball is being black is ....



The probability of the drawn ball is being red is $\frac{....}{......}$

The probability of the drawn ball is being green is $\frac{....}{......}$



The probability of the drawn ball is being red is $\frac{....}{......}$

The probability of the drawn ball is being green is $\frac{....}{......}$

The probability of the drawn ball is being black is $\frac{....}{......}$

* The coin has heads and tails



If we flip a coin we get either heads or tails

The probability of getting heads = $\frac{\dots}{\dots}$

The probability of getting tails = $\frac{\dots}{\dots}$

The probability of getting heads or tails = $\frac{\dots}{\dots}$



* In the dice there are 6 faces numbered from one to six



Complete :

a. The probability of getting the number one = ...

b. The probability of getting the number four = ...

c. The probability of getting the number nine = ...

d. The probability of getting an even number = ...

e. The probability of getting an odd number = ...



f. The probability of getting a number less than five = ...

g. The probability of getting a number more than three = ...

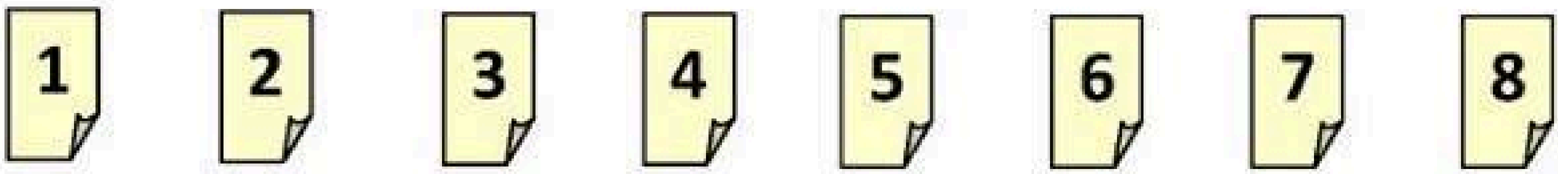
h. The probability of getting a number more than or equal two = ...

i. The probability of getting a number less than or equal six = ...

j. The probability of getting a number more than six = ...

k. The probability of getting any number from one to six = ...

* **We have 8 cards numbered as the following :**



What is the probability of the drawn cards to be :

A. number 4 = ...

B. number 1 = ...

C. less than 5 = ...

D. more than 9 = ...

E. between 3 and 6 = ...

F. more than zero = ...

G. an even number = ...

H. an odd number = ...



* **In a box, there are 4 cards numbered by 3 , 3 , 5 , 6 :**

If we choose one card, the probability of the chosen card will be :

A. numbered by 5 = ...

B. numbered by 6 = ...

C. numbered by 3 = ...

D. numbered by 8 = ...

E. numbered by 3 or 5 or 6 = ...







1)Find the following

57883	70000	4823	83256
+ 14267	- 37541	X 6	X 4
…………	…………	…………	…………

- 24066 ÷ 6 = …………

2)Complete the following :

1) The perimeter of any geometrical shape = The………….of the lengths of its sides.
2) How many thirds are there in whole one? ……………
3) 30 hours = 1 day and ……… hours.
4) The area of a shape is defined by the number of …………… inside the shape.

3)Complete in the same pattern (



1) 8 , 16 , 32 , ………….. , ………… , …………..

2) 25 , 50 , 75 , …………. , ………….. , ……………..

3) 1 , 7 , 49 , ………… , ………… , 16807

4)Put < , > or =

1)	3 hours and 20 minutes	⬭	200 minutes
2)	1000 x 3	⬭	(100 x4) + (100 x6)
3)	175 x 5	⬭	175 ÷ 5
4)	$\frac{6}{8}$	⬭	$\frac{5}{7}$



5)Arrange in ascending order

1) 3 Weeks , 100days , 10 days.

The order : ……………………………………………………

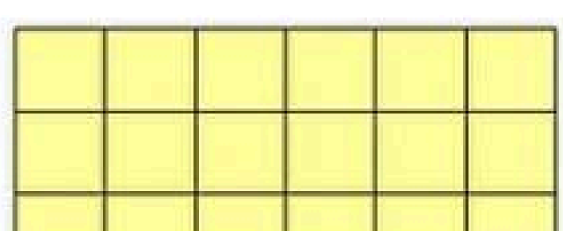
2) $\frac{3}{7}$, $\frac{2}{7}$, 1 , $\frac{4}{7}$, $\frac{5}{7}$

The order : ……………………………………………………

6)On the lattice

- Draw the rectangle ABCD in which AB =2 cm , BC = 4 cm. Then complete

CD = …………..cm



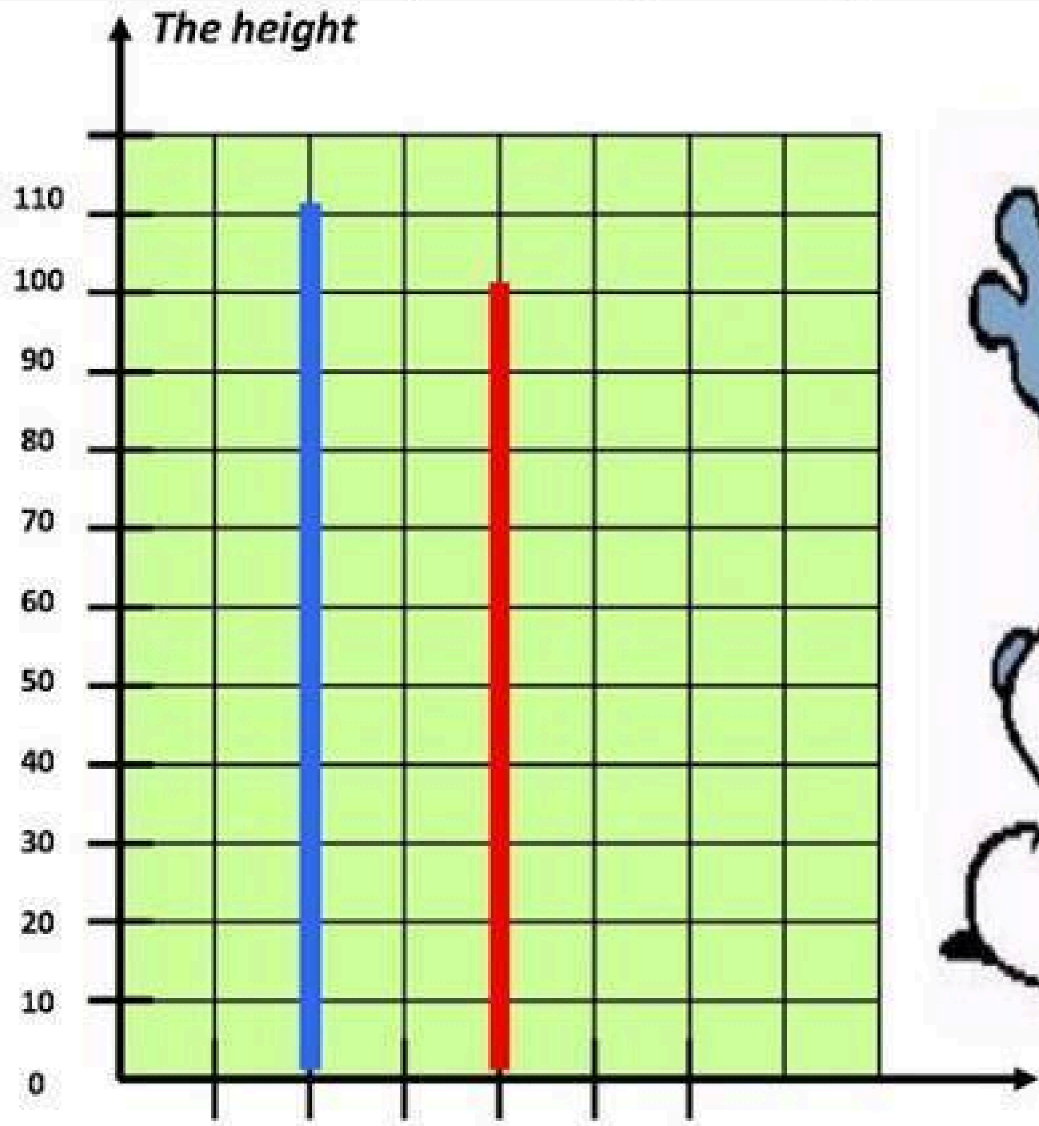
AD = …………. cm

The perimeter = …………… cm

The area = ………………….. cm

7)Complete the following table and graph.

Towers	1st	2nd	3rd	4th	5th
Heights	70	…..	90	…..	60





1st 2nd 3rd 4th 5th Tower

8)Read and answer :

The school building authority built 10 primary schools. If each school costs 9 425 pounds, then how much did building these schools cost?

……………………………………………………………………………………………

9)Choose the correct answer

1) Among the standard units we use ….. to measure length.

(kgm. , gm , m , cm)

2) A normal human's temperature is ….. (35°, 37°, 39°)

3) The sun rises in the east is a …….. event.

(certain , possible , impossible)

4) The probability of appearance of 2 on a face of dice when it is thrown is ………… ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{6}$)

5) $\frac{1}{3}$ = ………. ($\frac{9}{15}$, $\frac{5}{15}$, $\frac{7}{10}$)

6) ……. + $\frac{2}{5}$ = 1 ($\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$)

10)Complete each of the following:

1) 19 metres = ……………………….centimeters.

2) 7 kilograms = …………………… grams.

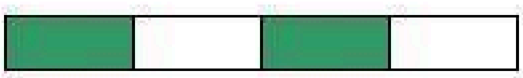
3) …………. Kilograms = 27000 grams.

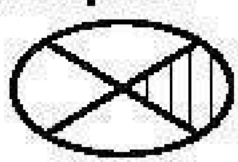


- $\frac{5}{9}+\frac{3}{9}=\frac{\dots\dots\dots}{\dots\dots\dots}$
- 56 ÷ 7 = ………
- 4 metres = …………. Cm
- 25 , 50 , 75 , ……..
- $1-\frac{6}{10}=\frac{\dots\dots\dots}{\dots\dots\dots}$

2)Work out the following

- Nora bought 4 toys for 20 pounds each and 2 books for 12 pounds each.
  How much money did she pay for all?
  The sum that Nora paid = (….. x …..) + (….. x …..)
  = …………… + ……………… = ……………
- What is the fraction that gives one whole, if $\frac{3}{4}$ is added to it?
  ……………………………………………………………………………………
- What is the fraction that gives $\frac{3}{9}$ if $\frac{4}{9}$ is subtracted from it?
  ……………………………………………………………………………………
- Write the fraction which represent the shaded part


………………………


……………

3)Arrange the following in descending



- $\frac{3}{8}, 1, \frac{1}{8}, \frac{1}{2}$

  The order : ....

- 4 days , 40 hours , week and half week

  The order : ....

First : Put >, < or = :

(a) 1 ☐ $\frac{9}{9}$ (b) A day ☐ 12 hours

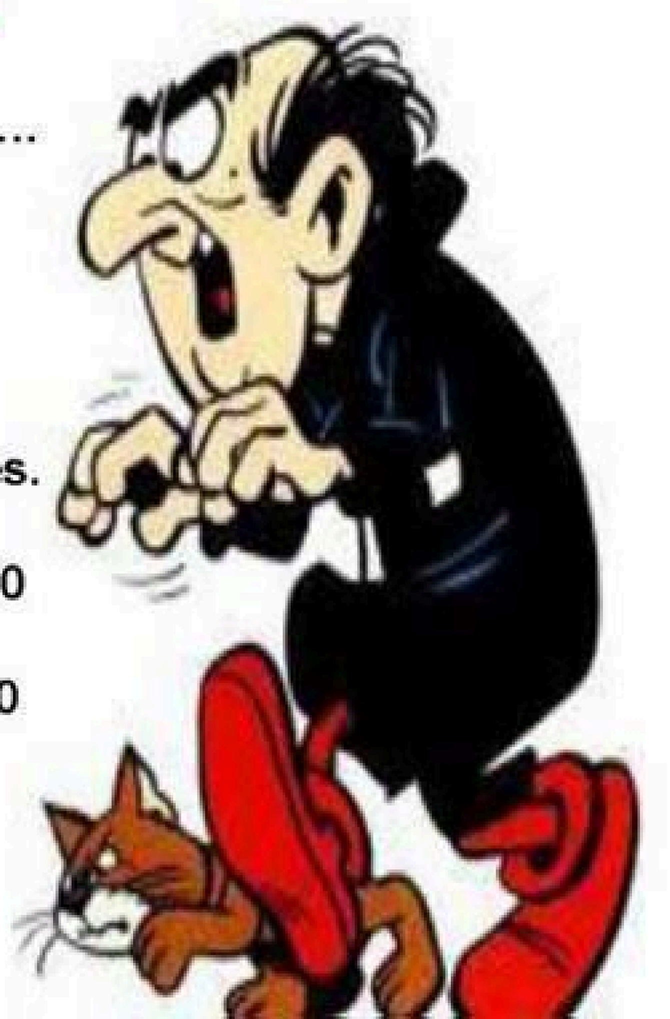
(c) $\frac{5}{7}$ ☐ $\frac{1}{7} + \frac{3}{7}$

Second : How many kilograms of apples can be bought for 64 L.E. if the price of one kilogram is 8 L.E.?

Number of Kg. = ...

Complete each of the following:

1) 6 x 8 x 10 = ... x 10 = ...
2) 3 weeks = ...days.
3) 9 x 2 x 100 = ... X 100 = ...
4) 100 minutes = 1 hour and ......minutes.
5) 2 x .... X 1000 = ... x 1000 = 8000
6) 8 x ...... x 1000 = 1000 x ...... = 48000



7) 20 x 60 = 100 x .... = ...

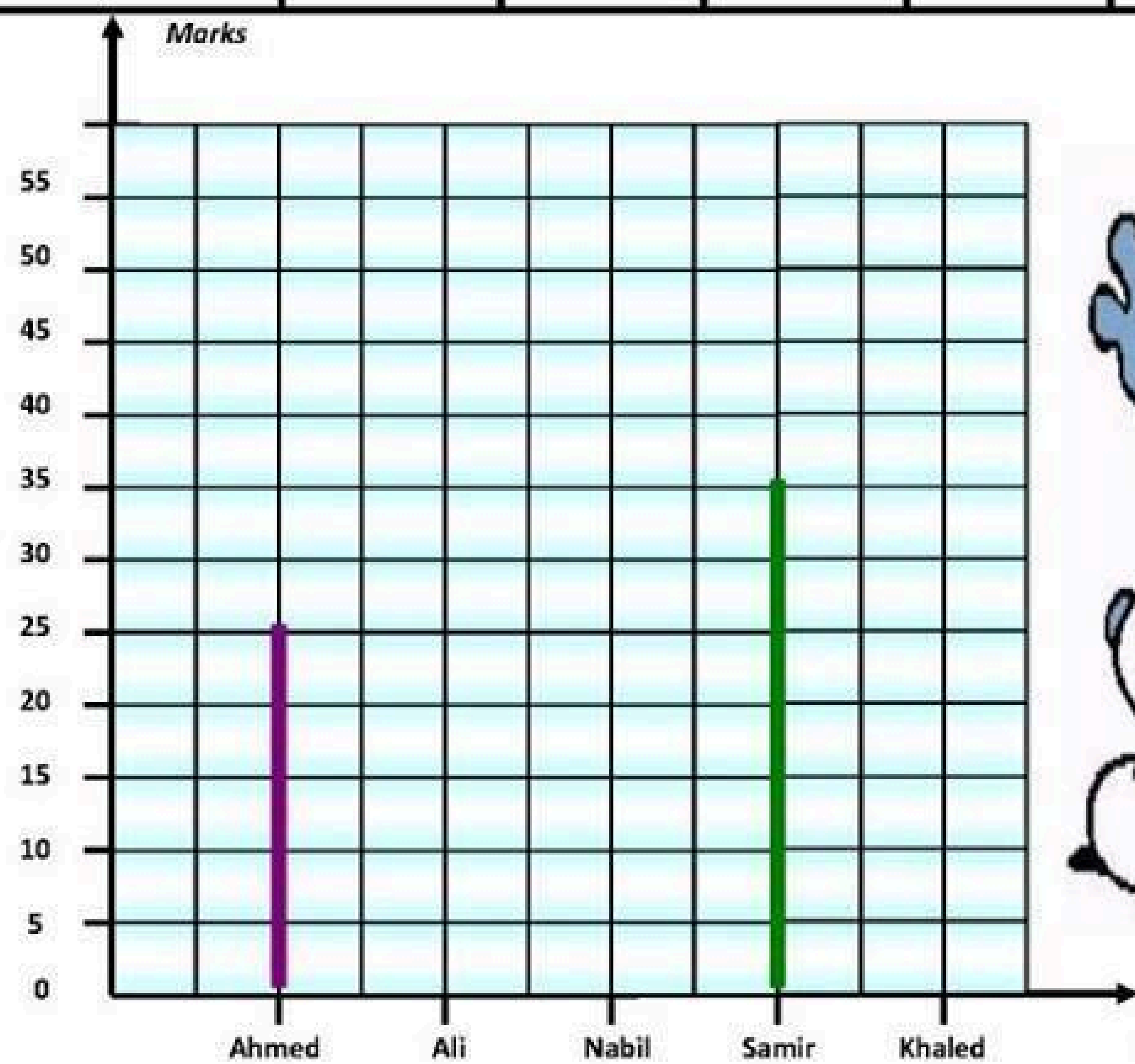
8) 1 year and 2 months = ... months.

9) 50 hours = ...days and .... hours.

10) 650 minutes = ...hours and ......minutes.

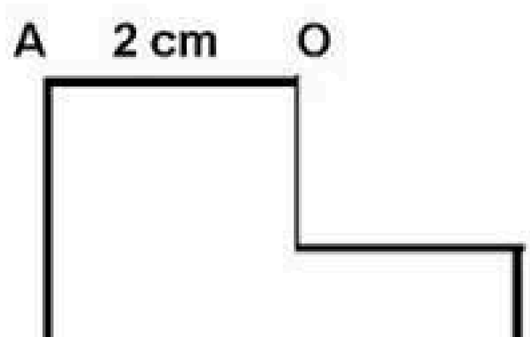
The following table shows the marks of 5 students in a Math test

Names	Ahmed	Ali	Nabil	Samir	Khaled
Marks	....	40	45	....	50





Complete :



Calculate the perimeter of the opposite figure ABCDHO.

If AB = 3 cm , AO = 2 cm ,

OH = 1 cm , HD = 1 cm

1 cm

3 cm H 1 cm D

B C

The perimeter of the shape = ... cm.





Choose the correct answer

a) 505 ÷ 5 = ... (11 – 101 – 105)

b) $\frac{3}{5}$ = ... ($\frac{1}{5} + \frac{1}{5}$, $\frac{16}{20}$, 1 - $\frac{2}{5}$)

c) 4200 ÷ 6 = ... (7 – 70 - 700)

d) 3869 X 8 = ... (30053 – 30952 – 30955)

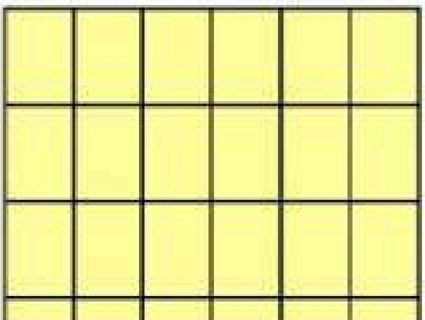
e) Two consecutive odd numbers whose sum is 12 are

(6 and 7 – 4 and 8 – 5 and 7)

f) 90000 - 5746 = ... (65487 – 84254 – 78766)

g) $\frac{5}{8} - \frac{3}{8}$ = ... ($\frac{8}{8}$,, $\frac{2}{8}$,, $\frac{2}{0}$)

Work out the following



Draw the rectangle ABCD on the square net (lattice) in which AB = 3 cm, BC = 5 cm. then find

- CD = ...cm
- DA = ...cm
- Perimeter = ...
- Area = ...

the kind of the angles of the rectangle? ....

Complete :



1) 400 tens = ... hundreds.
2) 49 hours = ... days and .... hours
3) 10 x 9 = 3 tens + ... tens
4) 57 = 7 + 5 + (5 x ....)
5) The probability of an impossible event is ....
6) Data is represented by .... or ....

Find the following

90000	52317	12328
- 67407	+ 27484	X 5
----------------	----------------	----------------
....	....	....

- 16480 ÷ 4 = ...
- 8126 ÷2 = ...

....
5 | 45025



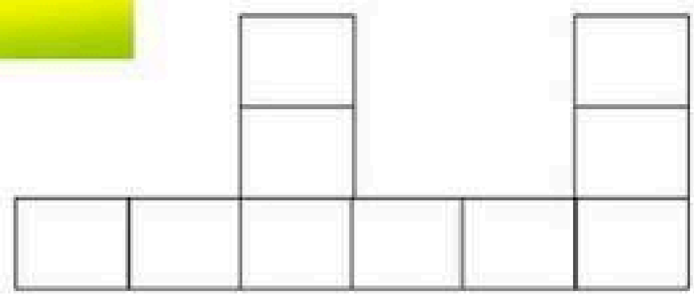
- 693 ÷ 3 = ...

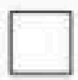
Work out the following

Ahmeds father gave him 588 pounds. He bought books for 92 pounds and sweets for 56 pounds and two notebooks for 16 pounds each. Find :

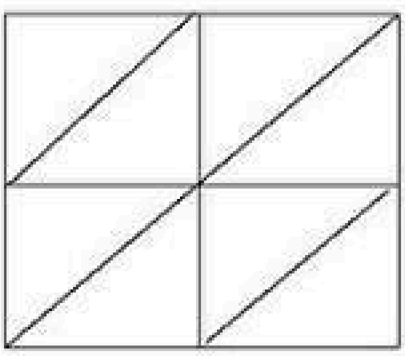
- The price of the notebooks = ... pounds.
- The total Ahmed paid = ... pounds.
- The money left with him = ... pounds.

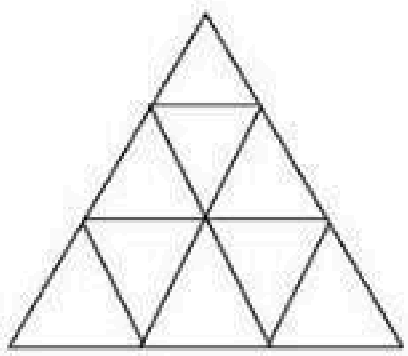
Find the area and the perimeter

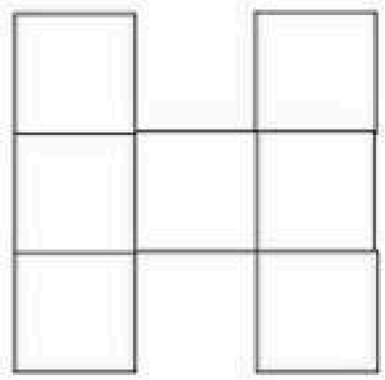


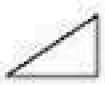
Its area =............ 

Its perimeter =.............cm.

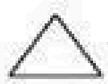




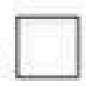


Its area =......... 

Its per. = ...

Its area =..... 

Its per. = ...

Its area =....... 

Its per. = ...

**** Arrange the following in an ascending order :***



6 km , 3200 cm , 60 m , 3 cm

The order : ....

* What is the probability of seeing an odd number of dots on the face of a dice when we throw it ?

The probability= .... = ...

* The perimeter of a triangular piece of land is 400 m

Find the length of the third side if the sum of two sides is 260m.

The length of the third side = ... m

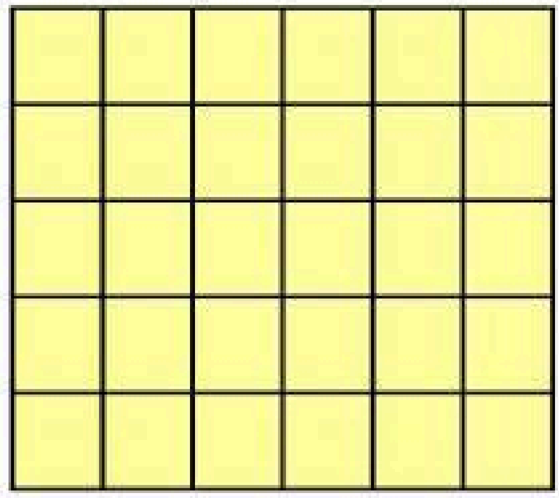


Choose the correct answer

1) The suitable unit for measuring the distance between two countries is .... (metre – kilogram – kilometre)
2) The denominator of the fraction $\frac{2}{5}$ is .... (2 – 5 – 7)
3) The probability to rain gold is .... (0 – 1 - certain)
4) If we add one to any even number it becomes .... number. (even – odd – symmetrical)
5) The perimeter of a square with side length 4 cm is .... cm (8 – 16 – 32)
6) If the income of a family is 900 pounds, then $\frac{1}{3}$ of its income = ... pounds. (300 – 600 – 500)
7) 260 tens = ... hundreds. (26 – 260 – 2600)

8) The probability of the appearance of a tail when tossing a coin once is ……………… ($\frac{1}{3}$, $\frac{1}{6}$, $\frac{1}{2}$)

Work out the following



Draw the square XYZL on the square net (lattice) in which XY = 4 cm, then find :

- Perimeter = ……………………………..

Complete :

1) 7 x 5 = 7 x 4 + ………….
2) Three kilograms and 200 grams = …………….. grams.
3) June has …………. days.
4) The normal year has ……….. days while the leap year has ……… days.
5) The probability to see two moons in the same night is ………..
6) $\frac{1}{7}$ + $\frac{2}{7}$ + …….. = 1

Find the following



89000	35723	26315
- 57880	+ 27399	X 7
----------------	----------------	----------------
………………	………………	………………

- 32816 ÷ 8 = …………

Work out the following

24 sacks of cement are to be transported by means of pick-up. If the pick-up can't carry more than 6 sacks at the time . Find the number of times needed to carry all the sacks.

- The number of times = ... times.

Complete in the same pattern

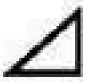


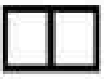
❖ 6 , 36 , 216 , ... , ... , ...

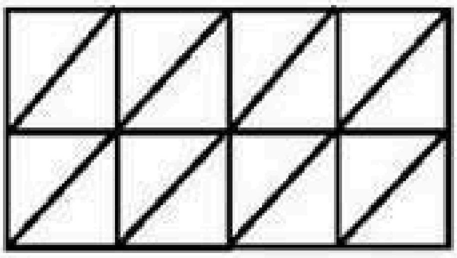
❖ .... , 25 , 125 , 625 , ... , ...

Find the area to the given units

The area = ... 

The area = ... 

The area = ... 



**** Arrange the following in an ascending and descending order :***

$$\frac{7}{12}, \frac{2}{12}, \frac{1}{12}, \frac{5}{12}$$



The ascending order : ....

The descending order : ....

* A triangular piece of land with sides 400 m , 300 m and 260 m.

Find the perimeter of this land.

The perimeter = ... m

* Complete :

34	225	2 75
X 5	X 7	X 3
______	______	______





Choose the correct answer

1) $\frac{1}{3}$ year = ……… months (6 – 3 – 4)

2) The number of days in a year is ………. (360 – 365 – 370)

3) ………. km = 5000 m (500 – 50 – 5)

4) The smallest odd number lies between 40 and 50 is ……….

(41 – 43 – 45)

5) Half of a day, 8 hours = ………….. hours. (12 – 20 – 24)

6) From the even numbers that lies between 10 and 20 is ………..

(22 – 15 – 16)

Complete :



1) 3 x ……… x 1000 = ……… x 1000 = 6000

2) …….. ÷ 301 = 2

3) 35 days = ………… weeks.

4) The perimeter of a rectangle whose dimensions 10 cm and 5 cm is ………………. cm .

5) The normal human body temperature is ………… °C.

6) 30 x 40 = 100 x ……….

7) 46 656 , ………… , 1296 , 216 , ……… , ……..

8) The birthday of someone who celebrate it every 4 years is ………….

9) $\frac{3}{6} = \frac{24}{\dots\dots} = \frac{\dots\dots}{36}$

10) The perimeter of a triangle with sides lengths 3 cm , 4 cm and 5 cm is ……………… cm.

Find the following



45008	44738	8532
- 12897	+ 48259	X 9
………………	………………	………………

- 25025 ÷ 5 = …………….

Work out the following

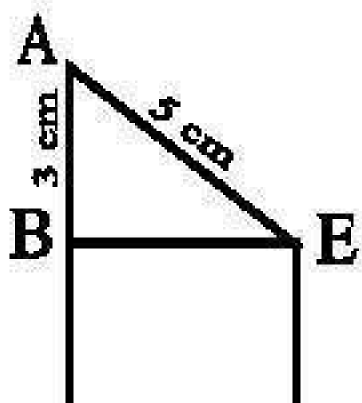
The children who turned six years in one of the cities were distributed among 8 schools. If their number is 4880, then how many children were sent to each school?

- The number of children in each school = ………………………………. child.

Complete in the same pattern

- 2 , 4 , 8 , …….. , ……… , ………..
- ………. , 9 , 27 , 81 , ………. , …………

In the opposite figure :



BCDE is a square where AB =3 cm,

AE = 5 cm , CD = 4 cm, complete:

1) The perimeter of square BCDE = ... cm.

2) The perimeter of triangle ABE = ... cm.

3) The perimeter of the whole shape ACDE = ... cm.



* ***Solve the following :***

1) A pie was divided equally among four friends.

What is the share of each one? ....

2) 54 volley ball players participated in a contest. If every team is consists of 6 players, how many teams are participated?

Number of teams = ... teams.

3) A box of cheese contains 8 equal pieces. What is the share of each piece related to the whole box ? ....

4) Find the fraction that gives the result $\frac{3}{9}$, if subtracted from $\frac{4}{9}$.

....

* ***Arrange the following in an ascending order:***

5 months , 1 year , 500 days , 200 days , 16 days.

The order : ...., ..., ..., ..., ...

* The following shows the approximate numbers of planes

that landed from Egypt in 5 years in thousands:

year	1^{st}.	2^{nd}.	3^{rd}	4^{th}	5^{th}
No.of planes	25	30	35	35	40

Represent these data by bar line graph.



Choose the correct answer

1) The fraction whose represents the shaded part  ($\frac{1}{2}$ - $\frac{1}{3}$ - $\frac{1}{4}$)

2) The event that the day follows the night is ....

(certain - possible - impossible)

3) The suitable unit of measuring weight is .... (kg - km - hour)

4) The smallest even number lies between 30 and 40 is ....

(31 - 32 - 33)

5) A day and 6 hours = ... hours. (24 - 28 - 30)

6) If an event is impossible, then the probability of its happening = ...

(0 - 1 - 10)

Complete :

1) 2 , 4 , 8 , ... , ... , ...

2) 308 x 7 = 2150 + ...

3) 2 years and 6 months = ... months.

4) The probability of the appearance of an odd number on a die when tossing once = ...

5) A rectangle its length is 7 cm and its width is 3 cm, then its perimeter = ... cm

6) Five sixths = ...

7) 6 x 4 = 6 x 5 - ....

8) 10 x 9 = 3 tens + ... tens

9) $\frac{2}{5} = \frac{10}{......} = \frac{......}{15}$



Find the following

90000	55555	6532
- 29999	+ 55555	X 7
-----------------	-----------------	-----------------
....	....	....

- 42126 ÷ 6 = ...

Work out the following

Mostafa bought 6 metres of cloth to have a suit made. How much money did he pay if the price of one metre is 78 pounds?

- The price of the cloth = ... pounds.

Complete in the same pattern

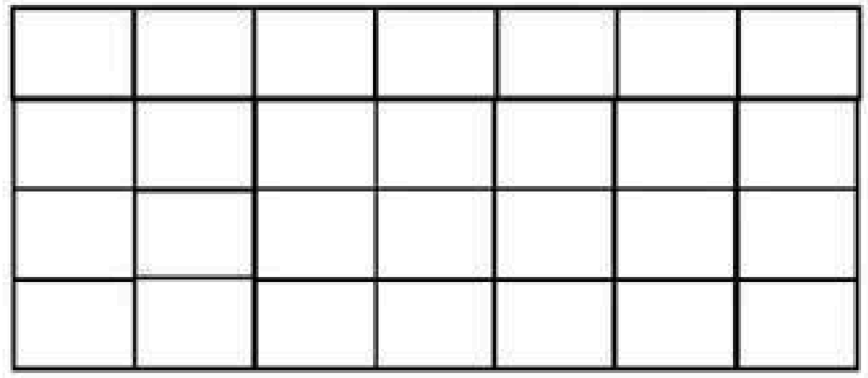
❖ 3 , 9 , 27 , ... , ... , ...

❖ 1 , 10 , 100 , ... , ... , ...



In the opposite lattice:

Draw on the square net the rectangle XYZL in which XY= 6 cm, XL= 3 cm



Then complete the following:

a) XY = ……… = 6 cm.

b) XL = ……… = ………. cm.

c) The perimeter of the rectangle =……………..cm.

d) The area of the rectangle =………….. ☐

*Complete using one of (>, <, =):

a) 254 x 6 ◯ 6400 ÷ 4

b) 928 x 4 ◯ 464 x 8

c) 1071 ÷ 3 ◯ 119 x 3

d) 1236 x 2 ◯ 1236 ÷ 2



* If you know that :

27 x 5 = 135 , 27 x 40 = 1080

Complete :

a) 27 x 50 = ……..

b) 270 x 4 = ……..



Work sheet [7]

Hi! It is wonderful up here
do you want to join us
solve the following

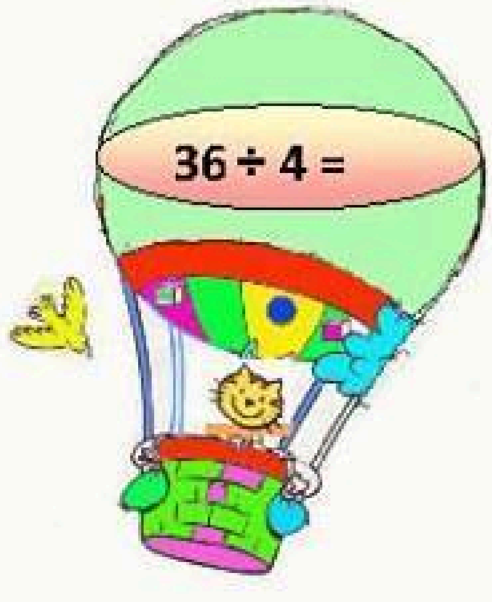


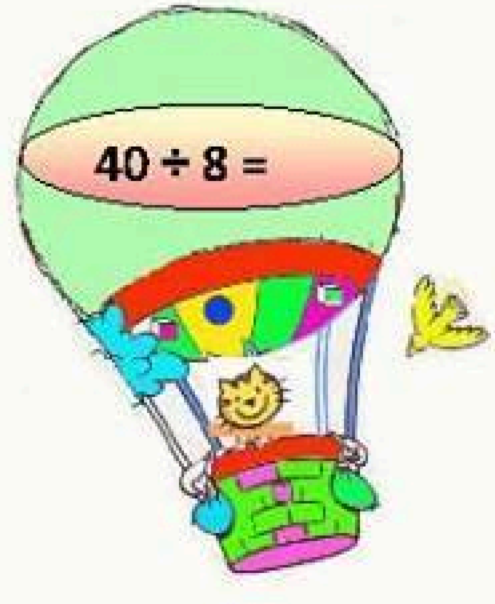






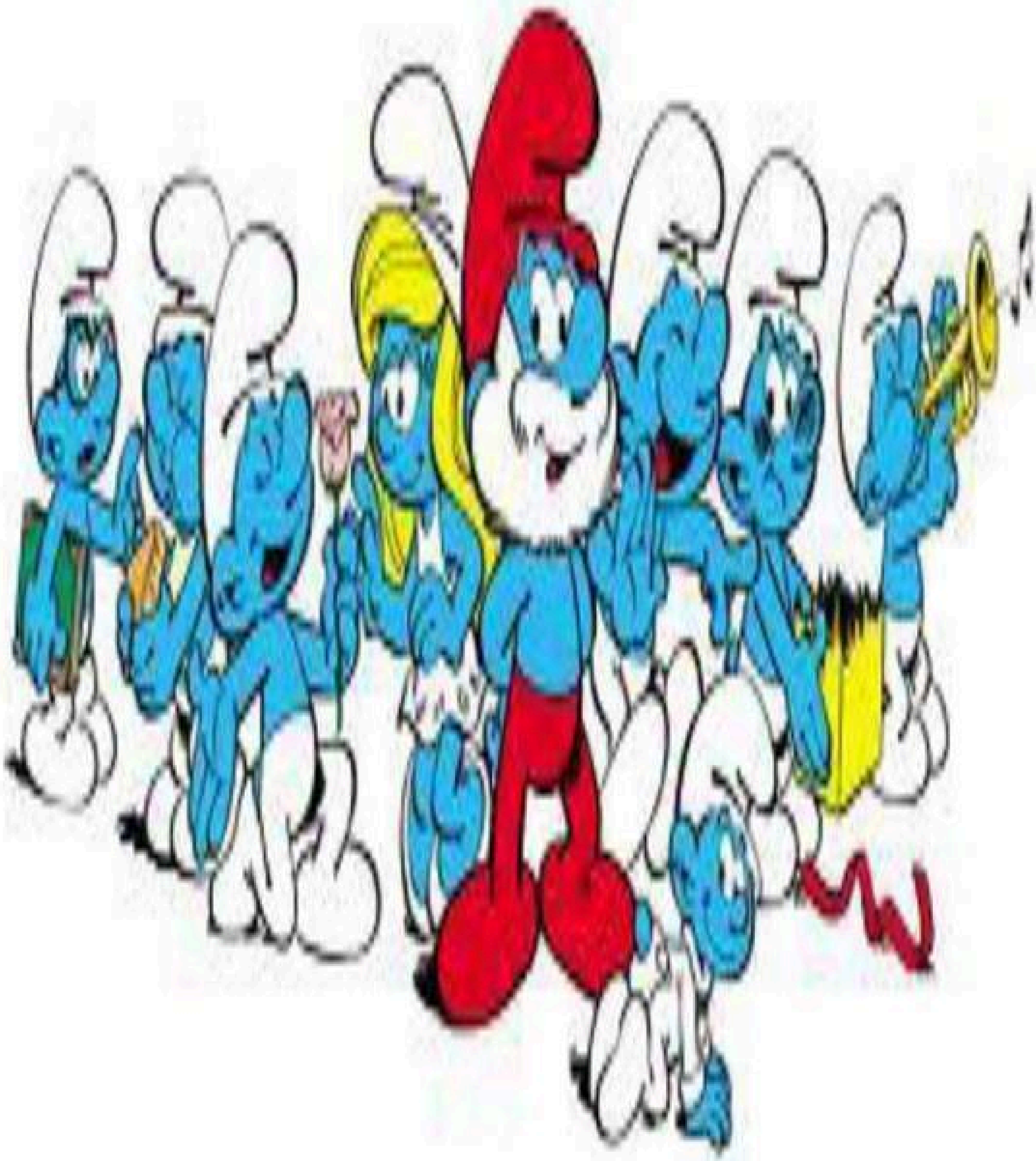






- The total she paid = ...

Unit Two



Dividing by 1-digit number

Work sheet [9]

7 ⟌ 707	2 ⟌ 684	3 ⟌ 906
4 ⟌ 4800	2 ⟌ 882	5 ⟌ 5550
2 ⟌ 2864	4 ⟌ 4084	3 ⟌ 3906

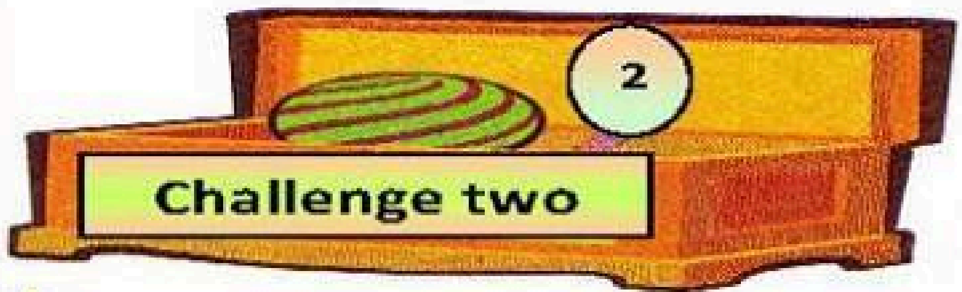
4) Two thirds = ...

5) Four sevenths = ...

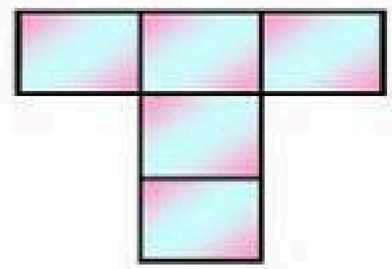
6) The perimeter of a triangle on a piece of land is 300 metres. If the sum of two of its sides is 220 metres. Then the length of the third side is ....

1)Complete





- $\frac{5}{10} = \frac{1}{......}$
- Four fifths = $\frac{.........}{.........}$
- Find the perimeter and the area of the drawn figure.



The perimeter = ... cm

The area = ... □

- Ten tens = ...
- 262 ÷ 2 = 1 x ....
- 50 hours = ... days and .... hours.
- The two even numbers that lie between 5 and 9 are ...... and ......
- 2 , ... , 10 are three even numbers their sum is 20.
- 3 , ... , 11 are three odd numbers whose sum is 21.
- 75 = 7 x 10 + ...
- 215 , 430 , 860 , ... , ...



3) Hoda bought 7 dolls for L.E 4 each. How much money does she pay ?

she paid = ...L .E

Statistics and Probability

Unit Six



Missing digits in Multiplication



Let us see how fast can you finish this exercise

	6	4	6
X			3
1	□	□	8

	2	5	6
X			5
1	□	8	□

	4	0	5
X			9
3	□	□	5

	6	3	4
X			6
3	□	□	4

	2	6	3
X			4
1	□	5	□

	2	5	7
X			2
	□	1	□

	5	1	7
X			9
4	□	5	3

	5	2	8
X			3
1	□	□	4



I can do it … !



Measuring The Length

- The *centimeters* (cm) is used to measure *small length* like a ruler.
- The *metre* (m) is used to measure a *bigger length* like a room.
- The *kilometre* (km) is used to measure *long length* like the distance between two cities .



Notice the following :

1 km. = 1000 m.	1 m. = 100 cm.
$\frac{1}{2}$ km. = 500 m.	$\frac{1}{2}$ m. = 50 cm.
$\frac{1}{4}$ km. = 250 m.	$\frac{1}{4}$ m. = 25 cm.

i) $1\frac{1}{4}$ day = ………………………………… hours.



2) Put > , < or = :

a) 24 hours ☐ Weekend.

b) 29 hours ☐ 1 day and 5 hours.

c) 49 hours ☐ 2 days and a half.

d) 57 hours ☐ 2 days and 9 hours.

e) 60 hours ☐ 2 day and a half.



c) 270 x 5 = ...

d) 27 x 40 = ...

A day and 8 hours = ... hours

A day and 10 hours = ... hours

21 days = ... Weeks

* The record temperatures in one of the weeks from Saturday to Friday were :

33˚ , 31˚ , 30˚ , 38˚ , 34˚ , 29˚ , 27˚

Record these data in a table and answer the questions:

Days							
Temp.							

a) The lowest temperature was on ....

b) The difference between the highest and the lowest temperature = ...

c) The hottest day was ....

d) The temperatures were less than 30˚ on .... and ....



Equal fraction



2) Circle the equivalent fraction:

a) $\frac{1}{3}$ = ... ($\frac{4}{9}$, $\frac{2}{6}$, $\frac{3}{5}$)

b) $\frac{3}{4}$ = ... ($\frac{9}{10}$, $\frac{8}{9}$, $\frac{15}{20}$)

c) $\frac{5}{6}$ = ... ($\frac{5}{12}$, $\frac{20}{24}$, $\frac{3}{6}$)

d) $\frac{4}{11}$ = ... ($\frac{8}{15}$, $\frac{16}{44}$, $\frac{6}{9}$)

e) $\frac{6}{7}$ = ... ($\frac{30}{35}$, $\frac{1}{4}$, $\frac{9}{11}$)

f) $\frac{9}{12}$ =............ ($\frac{8}{10}$, $\frac{2}{12}$, $\frac{18}{24}$)

g) $\frac{1}{8}$ = ... ($\frac{2}{7}$, $\frac{5}{40}$, $\frac{1}{3}$)

h) $\frac{7}{10}$ = ... ($\frac{14}{30}$, $\frac{21}{30}$, $\frac{7}{12}$)

i) $\frac{3}{7}$ = ... ($\frac{1}{8}$, $\frac{6}{13}$, $\frac{9}{21}$



Measuring Time

Year and months

There are 12 months in a year :

January	February	March	Apri
May	June	July	August
September	October	November	December

Months having 31 days :

January – March – May – July – August – October – December

Months having 30 days :

April – June – September – November



Month has neither 30 nor 31 days:

February has 28 days but every 4 years it has 29 days.

When February has 29 days, this year is called (*Leap Year*).



Let's learn the order of each month

2) Write each fraction in simplest form :

a) $\frac{12}{36}$ = ...

b) $\frac{6}{27}$ = ...

c) $\frac{18}{42}$ = ...

d) $\frac{8}{16}$ = ...

e) $\frac{15}{36}$ = ...

f) $\frac{5}{45}$ = ...

g) $\frac{3}{30}$ = ...

h) $\frac{8}{22}$ = ...







Multiplying x 2 or more digits number

804 × 7	730 × 9	132 × 8
987 × 5	593 × 4	9 41 × 6
657 × 5	123 × 4	565 × 8
638 × 3	736 × 2	424 × 7

A) 1) On what day was the greatest number of children vaccinated ?

....

2) On what day was the smallest number of children vaccinated ?

....

3) The difference between the number of children on Friday and Sunday ?

....

B) Represent the previous data with a broken line .



